

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 19, 2005, 22:51:55 ; Search time 91.3333 Seconds  
(without alignments)  
376.224 Million cell updates/sec

Title: US-10-809-757-1

Perfect score: 21

Sequence: 1 gtgtgtcacaggaagggtc 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: Issued Patents NA.\*
- 2: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*
- 3: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*
- 4: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*
- 5: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*
- 6: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq.\*
- 7: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19.4	92.4	2726	1	US-08-461-823-1
2	19.4	92.4	4186	4	US-09-672-810-1
3	19.4	92.4	4195	4	US-09-672-810-3
4	19.4	92.4	4646	1	US-08-181-471-2
5	19.4	92.4	4646	4	US-09-023-655-1167
6	19.4	92.4	4669	2	US-08-583-276-18
7	19.4	92.4	4669	2	US-08-752-447-1
8	19.4	92.4	4669	3	US-09-316-167-1
9	19.4	92.4	4669	4	US-09-397-233-1
10	19.4	92.4	4669	6	5206352-3
11	19.4	92.4	4669	6	5206352-3
12	19.4	92.4	6505	2	US-08-793-610-5
13	19.4	92.4	8630	4	US-09-306-417-1
14	19.4	92.4	8630	4	US-09-306-417-2
15	19.4	92.4	9318	2	US-08-793-610-6
16	18.4	87.6	3988	4	US-09-762-195-1
17	18.4	87.6	4264	2	US-08-784-649A-1
18	18.4	87.6	4264	2	US-08-784-649A-5
19	16.8	80.0	315	4	US-09-248-796A-7498
20	16.8	80.0	2310	4	US-09-949-016-3660
21	16.8	80.0	152070	4	US-09-949-016-15402
22	16.8	80.0	229354	4	US-09-705-400-64
23	16.8	80.0	260286	4	US-09-949-016-17037
24	16.8	80.0	260293	4	US-09-949-016-12106
25	16.4	78.1	512	4	US-09-495-050A-196
26	16.4	78.1	517	3	US-09-276-531-13
27	16.2	77.1	601	4	US-09-949-016-135365

c 28 16.2 77.1 749 4 US-09-669-751-26  
c 29 16.2 77.1 767 4 US-09-220-132-13  
c 30 16.2 77.1 846 4 US-09-248-796A-3411  
c 31 16.2 77.1 3090 5 PCT-US93-06251-7  
c 32 16.2 77.1 8607 4 US-09-949-016-13657  
c 33 16.2 77.1 8608 4 US-09-949-016-12184  
c 34 16.2 77.1 70000 3 US-09-851-896-3  
c 35 16.2 77.1 76399 4 US-09-949-016-16819  
c 36 16.2 77.1 97195 4 US-09-949-016-12212  
c 37 16.2 77.1 97196 4 US-09-949-016-16971  
c 38 16.2 77.1 131332 4 US-09-949-016-15535  
c 39 15.8 75.2 25 4 US-09-396-196G-42240  
c 40 15.8 75.2 155 3 US-08-905-223-38  
c 41 15.8 75.2 601 4 US-09-949-016-112493  
c 42 15.8 75.2 613 4 US-09-270-767-15206  
c 43 15.8 75.2 729 3 US-08-977-865-3  
c 44 15.8 75.2 1120 3 US-09-780-175-10  
c 45 15.8 75.2 1180 3 US-08-977-865-1

#### ALIGNMENTS

RESULT 1  
US-08-461-823-1  
; Sequence 1, Application US/08461823  
; Patent No. 5593840  
; GENERAL INFORMATION:  
; APPLICANT: Bhatnagar, Satish K.  
; APPLICANT: George Jr., Albert L.  
; APPLICANT: Nazarenko, Irina  
; TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACID SEQUENCES  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OncorPharm, Inc.  
; STREET: 200 Peary Parkway  
; CITY: Gaithersburg  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20877  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/461,823  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/168,621  
; FILING DATE: 16-DEC-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/010,433  
; FILING DATE: 27-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Karta, Glenn E.  
; REGISTRATION NUMBER: 30,649  
; REFERENCE/DOCKET NUMBER: PA-0012 CIP 2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 301 527-2058  
; TELEFAX: 301 208-6997  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2726 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-461-823-1

Sequence 26, Appl  
Sequence 13, Appl  
Sequence 3411, Ap  
Sequence 7, Appl  
Sequence 13657, A  
Sequence 12184, A  
Sequence 3, Appl  
Sequence 16819, A  
Sequence 12212, A  
Sequence 16971, A  
Sequence 15535, A  
Sequence 42240, A  
Sequence 38, Appl  
Sequence 112493, A  
Sequence 15206, A  
Sequence 3, Appl  
Sequence 10, Appl  
Sequence 1, Appl

Query Match 92.4%; Score 19.4; DB 1; Length 2726;  
Best Local Similarity 95.2%; Pred. No. 6.9;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACAGGAAGAGTC 21  
|||||  
DB 1919 GTGGTGTACACAGGAAGAGTC 1939

RESULT 2  
US-09-672-810-1  
; Sequence 1, Application US/09672810  
; Patent No. 6617450  
; GENERAL INFORMATION:  
; APPLICANT: STOCKER, PENNY J.  
; APPLICANT: STEIMEL-CRESPI, DOROTHY T.  
; APPLICANT: CRESPI, CHARLES L.  
; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0307/7018  
; CURRENT APPLICATION NUMBER: US/09/672,810  
; CURRENT FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: US 60/156,921  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/158,818  
; PRIOR FILING DATE: 1999-10-12  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 4186  
; TYPE: DNA  
; ORGANISM: Macaca fascicularis  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (100)...(3940)

Query Match 92.4%; Score 19.4; DB 4; Length 4186;  
Best Local Similarity 95.2%; Pred. No. 7.4;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACAGGAAGAGTC 21  
|||||  
DB 3514 GTGGTGTACACAGGAAGAGTC 3534

RESULT 3  
US-09-672-810-3  
; Sequence 3, Application US/09672810  
; Patent No. 6617450  
; GENERAL INFORMATION:  
; APPLICANT: STOCKER, PENNY J.  
; APPLICANT: STEIMEL-CRESPI, DOROTHY T.  
; APPLICANT: CRESPI, CHARLES L.  
; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0307/7018  
; CURRENT APPLICATION NUMBER: US/09/672,810  
; CURRENT FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: US 60/156,921  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/158,818  
; PRIOR FILING DATE: 1999-10-12  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3  
; LENGTH: 4195  
; TYPE: DNA  
; ORGANISM: Macaca fascicularis  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (100)...(3949)

US-09-672-810-3  
Query Match 92.4%; Score 19.4; DB 4; Length 4195;

Best Local Similarity 95.2%; Pred. No. 7.4;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACAGGAAGAGTC 21  
|||||  
DB 3523 GTGGTGTACACAGGAAGAGTC 3543

RESULT 4  
US-08-181-471-2  
; Sequence 2, Application US/08181471  
; Patent No. 5641508  
; GENERAL INFORMATION:  
; APPLICANT: Li, Lingna  
; APPLICANT: Lishko, Valeryi K.  
; TITLE OF INVENTION: METHOD FOR DELIVERING BENEFICIAL  
; TITLE OF INVENTION: COMPOSITIONS TO HAIR FOLLICLES  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Thomas Fitting  
; STREET: 12526 High Bluff Drive, Suite 300  
; CITY: San Diego  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92130  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/08/181,471  
; APPLICATION NUMBER: US/08/181,471  
; FILING DATE: 13-JAN-1994  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/041,553  
; FILING DATE: 02-APR-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: ANT0029P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-792-3680  
; TELEFAX: 619-792-8477  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4646 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 425..4267  
; US-08-181-471-2

Query Match 92.4%; Score 19.4; DB 1; Length 4646;  
Best Local Similarity 95.2%; Pred. No. 7.5;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACAGGAAGAGTC 21  
|||||  
DB 3839 GTGGTGTACACAGGAAGAGTC 3859

RESULT 5  
US-09-023-655-1167  
; Sequence 1167, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.

APPLICANT: Susan G. Stuart  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
TITLE OF INVENTION: EXPRESSION  
NUMBER OF SEQUENCES: 1508  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,655  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1167:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4646 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g187468  
US-09-023-655-1167  
Query Match 92.4%; Score 19.4; DB 4; Length 4646;  
Best Local Similarity 95.2%; Pred. No. 7.5;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 GTGGTGTACAGGAGAGGTC 21  
Db 3839 GTGGTGTACAGGAGAGATC 3859  
RESULT 6  
US-08-583-276-18  
Sequence 18, Application US/08583276  
Patent No. 5837536  
GENERAL INFORMATION:  
APPLICANT: McDonagh, Kevin T.  
APPLICANT: Nienhuis, Arthur  
APPLICANT: Tolstoshev, Paul  
TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN  
TITLE OF INVENTION: MULTIDRUG RESISTANCE GENES AND IMPROVED  
TITLE OF INVENTION: SELECTION OF CELLS TRANSDUCED WITH SUCH GENES  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Carella, Byrne, Bain, Gilfillan,  
ADDRESSEE: Cecchi & Stewart  
STREET: 6 Becker Farm Road  
CITY: Roseland  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch diskette  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: DM4.V2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/583,276  
FILING DATE: 05-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/332,444  
FILING DATE: 31-OCT-1994  
APPLICATION NUMBER: 07/887,712  
FILING DATE: 22-MAY-1992  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4669 bases  
TYPE: nucleic acid  
STRANDEDNESS: singular  
TOPOLOGY: linear  
MOLECULE TYPE:  
DESCRIPTION: Genomic DNA  
US-08-583-276-18  
Query Match 92.4%; Score 19.4; DB 2; Length 4669;  
Best Local Similarity 95.2%; Pred. No. 7.5;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 GTGGTGTACAGGAGAGGTC 21  
Db 3839 GTGGTGTACAGGAGAGATC 3859  
RESULT 7  
US-08-752-447-1  
Sequence 1, Application US/08752447  
Patent No. 5994088  
GENERAL INFORMATION:  
APPLICANT: Mechtner, Eugene  
APPLICANT: Roninson, Igor B  
TITLE OF INVENTION: Methods and Reagents for Preparing and  
TITLE OF INVENTION: Using Immunological Agents Specific for P-glycoprotein  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff Ltd.  
STREET: 300 South Wacker Drive, Seventh Floor  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA: US/08/752,447  
FILING DATE: 15-NOV-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5994088nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 95,1121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-913-0001  
TELEFAX: 312-913-9808  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4669 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:

NAME/KEY: 5'UTR  
LOCATION: 1..424  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 425..4264  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 4265..4669  
US-08-752-447-1

Query Match 92.4%; Score 19.4; DB 2; Length 4669;  
Best Local Similarity 95.2%; Pred. No. 7.5;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGTC 21  
Db 3839 GTGGTGTACAGGAAGAGTC 3859

## RESULT 8

US-09-316-167-1  
; Sequence 1, Application US/09316167  
; Patent No. 6365357  
; GENERAL INFORMATION:  
; APPLICANT: Mechetner, Eugene  
; APPLICANT: Roninson, Igor B  
; TITLE OF INVENTION: Methods and Reagents for Preparing and  
; USING IMMUNOLOGICAL AGENTS SPECIFIC FOR P-GLYCOPROTEIN  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McDonnell Boenhen Hulbert & Berghoff Ltd.  
; STREET: 300 South Wacker Drive, Seventh Floor  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09316,167  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/752,447  
; FILING DATE: 15-NOV-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 6365357nan, Kevin E  
; REGISTRATION NUMBER: 35,303  
; REFERENCE/DOCKET NUMBER: 95,1121  
; TELEPHONE: 312-913-9808  
; TELEFAX: 312-913-0001  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4669 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..424  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 425..4264  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: 4265..4669  
US-09-316-167-1

Query Match 92.4%; Score 19.4; DB 3; Length 4669;  
Best Local Similarity 95.2%; Pred. No. 7.5;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 GTGGTGTACAGGAAGAGTC 21  
Db 3839 GTGGTGTACAGGAAGAGTC 3859

## RESULT 9

US-09-397-233-1  
; Sequence 1, Application US/09397233  
; Patent No. 6630327  
; GENERAL INFORMATION:  
; APPLICANT: Mechetner, Eugene  
; APPLICANT: Roninson, Igor B  
; TITLE OF INVENTION: Methods and Reagents for Preparing and  
; USING IMMUNOLOGICAL AGENTS SPECIFIC FOR P-GLYCOPROTEIN  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McDonnell Boenhen Hulbert & Berghoff  
; STREET: 300 South Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09397,233  
; FILING DATE: 16-Sep-1999  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 6630327nan, Kevin E  
; REGISTRATION NUMBER: 35,303  
; REFERENCE/DOCKET NUMBER: 95,1121-C  
; TELEPHONE: 312-913-0001  
; TELEFAX: 312-913-0002  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4669 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..424  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 425..4264  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: 4265..4669  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-397-233-1

Query Match 92.4%; Score 19.4; DB 4; Length 4669;  
Best Local Similarity 95.2%; Pred. No. 7.5;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGTC 21  
Db 3839 GTGGTGTACAGGAAGAGTC 3859

## RESULT 10

5206352-3  
; Patent No. 5206352

```
; APPLICANT: Roninson, Igor B.; Pastan Ira H.; Gottesman,
; Michael M.
; TITLE OF INVENTION: COMPOSITIONS FOR CLONES CONTAINING DNA
; SEQUENCES ASSOCIATED WITH MULTIDRUG RESISTANCE IN HUMAN CELLS
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/622,836
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 892,575
; FILING DATE: 01-AUG-1986
; APPLICATION NUMBER: 845,610
; FILING DATE: 28-MAR-1986
; SEQ ID NO:3:
; LENGTH: 4669
5206352-3
Query Match          92.4%; Score 19.4; DB 6; Length 4669;
Best Local Similarity 95.2%; Pred. No. 7.5;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGTC 21
|||
Db 3839 GTGGTGTACAGGAAGAGTC 3859

RESULT 11
5206352-3
; Patent No. 5206352
; APPLICANT: Roninson, Igor B.; Pastan Ira H.; Gottesman,
; Michael M.
; TITLE OF INVENTION: COMPOSITIONS FOR CLONES CONTAINING DNA
; SEQUENCES ASSOCIATED WITH MULTIDRUG RESISTANCE IN HUMAN CELLS
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/622,836
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 892,575
; FILING DATE: 01-AUG-1986
; APPLICATION NUMBER: 845,610
; FILING DATE: 28-MAR-1986
; SEQ ID NO:3:
; LENGTH: 4669
5206352-3
Query Match          92.4%; Score 19.4; DB 6; Length 4669;
Best Local Similarity 95.2%; Pred. No. 7.5;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGTC 21
|||
Db 3839 GTGGTGTACAGGAAGAGTC 3859

RESULT 12
US-08-793-610-5
; Sequence 5, Application US/08793610
; Patent No. 5858744
; GENERAL INFORMATION:
; APPLICANT: BAUM, Christopher
; APPLICANT: STOCKING-HARBERS, Carol
; APPLICANT: OSTERTAG, Wolfram
; TITLE OF INVENTION: RETROVIRAL VECTOR HYBRIDS AND THE USE THEREOF
; TITLE OF INVENTION: FOR GENE TRANSFER
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
; STREET: 655 Fifteenth Street N.W. Suite 330
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-5701
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/793,610
; FILING DATE: 07-MAR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 44 31 973.8
; FILING DATE: 08-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 195 03 952.1
; FILING DATE: 07-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP95/03175
; FILING DATE: 10-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Berman, Richard J.
; REGISTRATION NUMBER: 39,105
; REFERENCE/DOCKET NUMBER: P1614-7007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)638-5000
; TELEFAX: (202)638-4810
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6505 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA
US-08-793-610-5
Query Match          92.4%; Score 19.4; DB 2; Length 6505;
Best Local Similarity 95.2%; Pred. No. 7.9;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGTC 21
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Db 5231 GTGGTGTACAGGAAGAGTC 5251

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; Sequence 1, Application US/09306417
; Patent No. 6548301
; GENERAL INFORMATION:
; APPLICANT: Heinrich-Pette-Institut
; TITLE OF INVENTION: Retroviral Gene Transfer Vectors
; FILE REFERENCE: P50491
; CURRENT APPLICATION NUMBER: US/09/306,417
; CURRENT FILING DATE: 1999-05-06
; EARLIER APPLICATION NUMBER: DE 198 22 115
; EARLIER FILING DATE: 1998-05-08
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8630
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: proviral
; OTHER INFORMATION: plasmid DNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(160)
; OTHER INFORMATION: plasmid backbone (pUC)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (161)..(677)
; OTHER INFORMATION: 5'-LTR
; FEATURE:
; NAME/KEY: 5'UTR
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LOCATION: (532)..(1219)  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: (1220)..(5062)  
OTHER INFORMATION: m4 mdr-1 cDNA  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (5215)..(5774)  
OTHER INFORMATION: 3'-LTR  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (5775)..(8630)  
OTHER INFORMATION: plasmid backbone (pUC)  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(8630)  
OTHER INFORMATION: retroviral expression vector SFbeta71m4  
US-09-306-417-1

Query Match 92.4%; Score 19.4; DB 4; Length 8630;  
Best Local Similarity 95.2%; Pred. No. 8.3;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAGGTC 21  
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Db 4634 GTGGTGTACACAGGAGATC 4654

RESULT 14  
US-09-306-417-2  
Sequence 2, Application US/09306417  
Patent No. 6548301  
GENERAL INFORMATION:  
APPLICANT: Heinrich-Pette-Institut  
TITLE OF INVENTION: Retroviral Gene Transfer Vectors  
FILE REFERENCE: P50491  
CURRENT APPLICATION NUMBER: US/09/306,417  
CURRENT FILING DATE: 1999-05-06  
EARLIER APPLICATION NUMBER: DE 198 22 115  
EARLIER FILING DATE: 1998-05-08  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 8630  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: proviral  
OTHER INFORMATION: plasmid DNA  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(8630)  
OTHER INFORMATION: retroviral expression vector SFbeta91msA1  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(160)  
OTHER INFORMATION: plasmid backbone (pUC)  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (161)..(677)  
OTHER INFORMATION: 5'-LTR  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: (532)..(1219)  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: (1220)..(5062)  
OTHER INFORMATION: mSA1 mdr1 cDNA  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (5215)..(5774)  
OTHER INFORMATION: 3'-LTR  
FEATURE:

NAME/KEY: misc\_feature  
LOCATION: (5775)..(8630)  
OTHER INFORMATION: plasmid backbone (pUC)  
US-09-306-417-2

Query Match 92.4%; Score 19.4; DB 4; Length 8630;  
Best Local Similarity 95.2%; Pred. No. 8.3;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 4634 GTGGTGTACACAGGAGATC 4654

RESULT 15  
US-08-793-610-6  
Sequence 6, Application US/08793610  
Patent No. 5858744  
GENERAL INFORMATION:  
APPLICANT: BAUM, Christopher  
APPLICANT: STOCKING-HARBERS, Carol  
APPLICANT: OSTERTAG, Wolfram  
TITLE OF INVENTION: RETROVIRAL VECTOR HYBRIDS AND THE USE THEREOF  
TITLE OF INVENTION: FOR GENE TRANSFER  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP  
STREET: 655 Fifteenth Street N.W. Suite 330  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.A.  
ZIP: 20005-5701  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/793,610  
FILING DATE: 07-MAR-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: DE P 44 31 973.8  
FILING DATE: 08-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: DE 195 03 952.1  
FILING DATE: 07-FEB-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP95/03175  
FILING DATE: 10-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Berman, Richard J.  
REGISTRATION NUMBER: 39,105  
REFERENCE/DOCKET NUMBER: P1614-7007  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202)638-5000  
TELEFAX: (202)638-4810  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9318 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA  
US-08-793-610-6

Query Match 92.4%; Score 19.4; DB 2; Length 9318;  
Best Local Similarity 95.2%; Pred. No. 8.4;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAGGTC 21  
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Db 5190 GTGGTGTACACAGGAGATC 5210

Search completed: September 20, 2005, 00:39:42  
Job time : 93.3333 sec8

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 20, 2005, 00:12:36 ; Search time 2357.33 Seconds  
(without alignments)  
59.353 Million cell updates/sec

Title: US-10-809-757-1

Perfect score: 21

Sequence: 1 gtggtgcacaggagaggtc 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7389322 seqs, 333128559 residues

Total number of hits satisfying chosen parameters: 14778644

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	21	100.0	21	US-10-809-757-1
2	20	95.2	21	US-10-809-757-2
3	19.4	92.4	247	US-10-484-577-675
4	19.4	92.4	3153	US-10-794-514A-396
5	19.4	92.4	3258	US-10-794-514A-394
6	19.4	92.4	3852	US-10-101-433A-1
7	19.4	92.4	3860	US-09-866-866A-1

8	19.4	92.4	3860	9	US-09-866-866A-3	Sequence 3, Appli
9	19.4	92.4	4186	18	US-10-619-359A-1	Sequence 1, Appli
10	19.4	92.4	4195	18	US-10-619-359A-3	Sequence 3, Appli
11	19.4	92.4	4533	9	US-09-805-020-30	Sequence 30, Appli
12	19.4	92.4	4646	11	US-09-968-007A-459	Sequence 459, App
13	19.4	92.4	4646	11	US-09-968-007A-747	Sequence 747, App
14	19.4	92.4	4646	18	US-10-641-643-1167	Sequence 1167, Ap
15	19.4	92.4	4646	18	US-10-343-657-1	Sequence 1, Appli
16	19.4	92.4	4646	19	US-10-775-169-198	Sequence 198, App
17	19.4	92.4	4646	21	US-10-843-641A-6929	Sequence 6929, Ap
18	19.4	92.4	4646	21	US-10-843-641A-7217	Sequence 7217, Ap
19	19.4	92.4	4646	21	US-10-505-680-164	Sequence 164, App
20	19.4	92.4	4646	21	US-10-794-514A-392	Sequence 392, App
21	19.4	92.4	4669	19	US-10-680-516-1	Sequence 1, Appli
22	19.4	92.4	8630	9	US-09-306-417-2	Sequence 2, Appli
23	19.4	92.4	8630	9	US-09-306-417-2	Sequence 2, Appli
24	18.4	87.6	207	9	US-09-864-761-27542	Sequence 27542, A
25	18.4	87.6	430	17	US-10-188-359-177	Sequence 177, App
26	18.4	87.6	472	9	US-09-864-761-10906	Sequence 10906, A
27	18.4	87.6	694	19	US-10-767-795-1328	Sequence 1328, Ap
28	18.4	87.6	1021	17	US-10-321-039-25	Sequence 25, Appli
29	18.4	87.6	3840	19	US-10-384-339C-30	Sequence 30, Appli
30	18.4	87.6	4192	21	US-10-651-237-53	Sequence 53, Appli
31	18.4	87.6	4192	21	US-10-782-413-53	Sequence 53, Appli
32	18.4	87.6	4643	13	US-10-072-621-2	Sequence 2, Appli
33	18.4	87.6	4643	14	US-10-097-340-1	Sequence 1, Appli
34	18.4	87.6	4643	15	US-10-007-926A-258	Sequence 258, App
35	18.4	87.6	98472	21	US-10-484-577-673	Sequence 673, App
36	18.4	87.6	128993	21	US-10-484-577-681	Sequence 681, App
37	18	85.7	31	9	US-09-801-274-262	Sequence 262, App
38	18	85.7	582	16	US-10-029-386-1551	Sequence 1551, Ap
39	17.8	84.8	3866	20	US-10-425-115-166733	Sequence 166733,
40	17.4	82.9	19	22	US-10-918-969-214	Sequence 214, App
41	17.4	82.9	19	22	US-10-918-969-472	Sequence 472, App
42	17.4	82.9	430	17	US-10-388-934-453	Sequence 453, App
43	17.4	82.9	492	13	US-10-027-632-281562	Sequence 281562,
44	17.4	82.9	492	13	US-10-027-632-281563	Sequence 281563,
45	17.4	82.9	492	17	US-10-027-632-281562	Sequence 281562,

ALIGNMENTS

RESULT 1

US-10-809-757-1

; Sequence 1, Application US/10809757

; Publication No. US20040191822A1

; GENERAL INFORMATION:

; APPLICANT: Yates, Charles R.

; APPLICANT: Miller, Duane

; APPLICANT: Gourley, Dick

; APPLICANT: Song, Pengfei

; TITLE OF INVENTION: Real-Time Polymerase Chain Reaction-

; TITLE OF INVENTION: Based Genotyping Assay for Single

; TITLE OF INVENTION: Nucleotide Polymorphism

; FILE REFERENCE: D6502

; CURRENT APPLICATION NUMBER: US/10/809,757

; CURRENT FILING DATE: 2004-03-25

; PRIOR APPLICATION NUMBER: US 60/457,512

; PRIOR FILING DATE: 2003-03-25

; NUMBER OF SEQ ID NOS: 16

; SEQ ID NO 1

; LENGTH: 21

; TYPE: DNA

; ORGANISM: artificial sequence

; FEATURE:

; NAME/KEY: primer\_bind

; OTHER INFORMATION: 3435W primer sequence for MDR1 genotyping

US-10-809-757-1

Query Match 100.0%; Score 21; DB 19; Length 21;  
Best Local Similarity 100.0%; Pred. No. 1.6; Indels 0; Gaps 0;  
Matches 21; Conservative 0; Mismatches 0;



QY 1 GTGGTGTACACGGAAGAGGTC 21  
 Db 1 GTGGTGTACACGGAAGAGGTC 21

## RESULT 2

US-10-809-757-2  
 ; Sequence 2, Application US/10809757  
 ; Publication No. US20040191822A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yates, Charles R.  
 ; APPLICANT: Miller, Duane  
 ; APPLICANT: Gourel, Dick  
 ; APPLICANT: Song, Pengfei  
 ; TITLE OF INVENTION: Real-Time Polymerase Chain Reaction-  
 ; TITLE OF INVENTION: Based Genotyping Assay for Single  
 ; TITLE OF INVENTION: Nucleotide Polymorphism  
 ; FILE REFERENCE: D6502  
 ; CURRENT APPLICATION NUMBER: US/10/809,757  
 ; CURRENT FILING DATE: 2004-03-25  
 ; PRIOR APPLICATION NUMBER: US 60/457,512  
 ; PRIOR FILING DATE: 2003-03-25  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 2  
 ; LENGTH: 21  
 ; TYPE: DNA  
 ; ORGANISM: artificial sequence  
 ; FEATURE:  
 ; NAME/KEY: primer bind  
 ; OTHER INFORMATION: 3435M primer sequence for MDRI genotyping  
 US-10-809-757-2

Query Match 95.2%; Score 20; DB 19; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 5.1;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGGTGTACACGGAAGAGGT 20  
 Db 1 GTGGTGTACACGGAAGAGGT 20

## RESULT 3

US-10-484-577-675  
 ; Sequence 675, Application US/10484577  
 ; Publication No. US20050032724A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
 ; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A  
 ; FILE REFERENCE: F2285PCT-1  
 ; CURRENT APPLICATION NUMBER: US/10/484,577  
 ; CURRENT FILING DATE: 2004-01-22  
 ; PRIOR APPLICATION NUMBER: PCT/EP 02/08220  
 ; PRIOR FILING DATE: 2002-07-23  
 ; PRIOR APPLICATION NUMBER: EP 01 11 7608.8  
 ; PRIOR FILING DATE: 2001-07-23  
 ; PRIOR APPLICATION NUMBER: EP 02011710.7  
 ; PRIOR FILING DATE: 2002-05-24  
 ; NUMBER OF SEQ ID NOS: 683  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 675  
 ; LENGTH: 247  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-484-577-675

Query Match 92.4%; Score 19.4; DB 21; Length 247;  
 Best Local Similarity 95.2%; Pred. No. 11;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACGGAAGAGGTC 21  
 Db 156 GTGGTGTACACGGAAGAGATC 176

## RESULT 4

US-10-794-514A-396  
 ; Sequence 396, Application US/10794514A  
 ; Publication No. US20050112134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Graddis, Thomas  
 ; APPLICANT: Laus, Reiner  
 ; APPLICANT: Diegel, Michael  
 ; APPLICANT: Vidovic, Damir  
 ; TITLE OF INVENTION: Compositions and Methods Employing Alternative  
 ; TITLE OF INVENTION: Reading Frame Polypeptides for the Treatment of  
 ; TITLE OF INVENTION: Cancer and Infectious Disease  
 ; FILE REFERENCE: 11311.1003U  
 ; CURRENT APPLICATION NUMBER: US/10/794,514A  
 ; CURRENT FILING DATE: 2004-03-05  
 ; NUMBER OF SEQ ID NOS: 733  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 396  
 ; LENGTH: 3153  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 US-10-794-514A-396

Query Match 92.4%; Score 19.4; DB 21; Length 3153;  
 Best Local Similarity 95.2%; Pred. No. 12;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACGGAAGAGGTC 21  
 Db 2774 GTGGTGTACACGGAAGAGATC 2794

## RESULT 5

US-10-794-514A-394  
 ; Sequence 394, Application US/10794514A  
 ; Publication No. US20050112134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Graddis, Thomas  
 ; APPLICANT: Laus, Reiner  
 ; APPLICANT: Diegel, Michael  
 ; APPLICANT: Vidovic, Damir  
 ; TITLE OF INVENTION: Compositions and Methods Employing Alternative  
 ; TITLE OF INVENTION: Reading Frame Polypeptides for the Treatment of  
 ; TITLE OF INVENTION: Cancer and Infectious Disease  
 ; FILE REFERENCE: 11311.1003U  
 ; CURRENT APPLICATION NUMBER: US/10/794,514A  
 ; CURRENT FILING DATE: 2004-03-05  
 ; NUMBER OF SEQ ID NOS: 733  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 394  
 ; LENGTH: 3258  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 US-10-794-514A-394

Query Match 92.4%; Score 19.4; DB 21; Length 3258;  
 Best Local Similarity 95.2%; Pred. No. 12;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACACGGAAGAGGTC 21  
 Db 2847 GTGGTGTACACGGAAGAGATC 2867

## RESULT 6

US-10-101-433A-1  
 ; Sequence 1, Application US/10101433A  
 ; Publication No. US20030119726A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hanscom, Sara  
 ; APPLICANT: Crespi, Charles

; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0030770019  
; CURRENT APPLICATION NUMBER: US/10/101,433A  
; CURRENT FILING DATE: 2002-03-19  
; PRIOR APPLICATION NUMBER: US 60/277,095  
; PRIOR FILING DATE: 2001-03-19  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 3852  
; TYPE: DNA  
; ORGANISM: Macaca mulatta  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(3852)  
US-10-101-433A-1

Query Match 92.4%; Score 19.4; DB 15; Length 3852;  
Best Local Similarity 95.2%; Pred. No. 13;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 3424 GTGGTGTACACAGGAAGATC 3444

## RESULT 7

US-09-866-866A-1  
; Sequence 1, Application US/09866866A  
; Patent No. US20020102244A1  
; GENERAL INFORMATION:  
; APPLICANT: Sorrentino, Brian

; APPLICANT: Schuetz, John  
; TITLE OF INVENTION: A Method of Identifying and/or Isolating Stem Cells  
; FILE REFERENCE: 1340-1-021CIP2  
; CURRENT APPLICATION NUMBER: US/09/866,866A  
; CURRENT FILING DATE: 2001-08-30  
; PRIOR APPLICATION NUMBER: 09/584,586  
; PRIOR FILING DATE: 2000-05-31  
; PRIOR APPLICATION NUMBER: PCT/US99/11825  
; PRIOR FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: 60/086,988  
; PRIOR FILING DATE: 1998-05-28  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1

; TYPE: DNA  
; LENGTH: 3860  
; ORGANISM: Homo sapiens

US-09-866-866A-1

Query Match 92.4%; Score 19.4; DB 9; Length 3860;  
Best Local Similarity 95.2%; Pred. No. 13;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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## RESULT 8

US-09-866-866A-3  
; Sequence 3, Application US/09866866A  
; Patent No. US20020102244A1  
; GENERAL INFORMATION:  
; APPLICANT: Sorrentino, Brian

; APPLICANT: Schuetz, John  
; TITLE OF INVENTION: A Method of Identifying and/or Isolating Stem Cells  
; FILE REFERENCE: 1340-1-021CIP2  
; CURRENT APPLICATION NUMBER: US/09/866,866A  
; CURRENT FILING DATE: 2001-08-30  
; PRIOR APPLICATION NUMBER: 09/584,586  
; PRIOR FILING DATE: 2000-05-31

; PRIOR APPLICATION NUMBER: PCT/US99/11825  
; PRIOR FILING DATE: 1999-05-27  
; PRIOR APPLICATION NUMBER: 60/086,988  
; PRIOR FILING DATE: 1998-05-28  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3  
; LENGTH: 3860  
; TYPE: DNA  
; ORGANISM: homo sapiens  
US-09-866-866A-3

Query Match 92.4%; Score 19.4; DB 9; Length 3860;  
Best Local Similarity 95.2%; Pred. No. 13;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAAGGTC 21  
|||||  
Db 3415 GTGGTGTACACAGGAAGATC 3435

## RESULT 9

US-10-619-359A-1  
; Sequence 1, Application US/10619359A  
; Publication No. US20040077000A1  
; GENERAL INFORMATION:  
; APPLICANT: STOCKER, PENNY J.

; APPLICANT: STEIMEL-CRESPI, DOROTHY T.  
; APPLICANT: CRESPI, CHARLES L.  
; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0030770020.US  
; CURRENT APPLICATION NUMBER: US/10/619,359A  
; CURRENT FILING DATE: 2003-07-14  
; PRIOR APPLICATION NUMBER: US 60/156,921  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/158,818  
; PRIOR FILING DATE: 1999-10-12  
; PRIOR APPLICATION NUMBER: US 09/672,810  
; PRIOR FILING DATE: 2000-09-28  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1

; LENGTH: 4186  
; TYPE: DNA  
; ORGANISM: Macaca fascicularis

; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (100)....(3940)

US-10-619-359A-1

Query Match 92.4%; Score 19.4; DB 18; Length 4186;  
Best Local Similarity 95.2%; Pred. No. 13;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAAGGTC 21  
|||||  
Db 3514 GTGGTGTACACAGGAAGATC 3534

## RESULT 10

US-10-619-359A-3  
; Sequence 3, Application US/10619359A  
; Publication No. US20040077000A1  
; GENERAL INFORMATION:  
; APPLICANT: STOCKER, PENNY J.

; APPLICANT: STEIMEL-CRESPI, DOROTHY T.  
; APPLICANT: CRESPI, CHARLES L.  
; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0030770020.US  
; CURRENT APPLICATION NUMBER: US/10/619,359A  
; CURRENT FILING DATE: 2003-07-14  
; PRIOR APPLICATION NUMBER: US 60/156,921  
; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/158,818  
 ; PRIOR FILING DATE: 1999-10-12  
 ; PRIOR APPLICATION NUMBER: US 09/672,810  
 ; PRIOR FILING DATE: 2000-09-28  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 3  
 ; LENGTH: 4195  
 ; TYPE: DNA  
 ; ORGANISM: Macaca fascicularis  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (100)...(3949)  
 US-10-619-359A-3

Query Match 92.4%; Score 19.4; DB 18; Length 4195;  
 Best Local Similarity 95.2%; Pred. No. 13;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAAGAGTC 21  
 Db 3523 GTGGTGTACACAGGAAGAGTC 3543

RESULT 11  
 US-09-805-020-30  
 ; Sequence 30, Application US/09905020  
 ; Publication No. US20020086384A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LEVINE, Zurit  
 ; TITLE OF INVENTION: SPLICER VARIANTS OF ONCOGENES  
 ; FILE REFERENCE: 2786-0168P  
 ; CURRENT APPLICATION NUMBER: US/09/805,020  
 ; CURRENT FILING DATE: 2001-03-13  
 ; NUMBER OF SEQ ID NOS: 72  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 30  
 ; LENGTH: 4533  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (1)...(4533)  
 ; OTHER INFORMATION: any n = a,c,g,t any unknown or other  
 US-09-805-020-30

Query Match 92.4%; Score 19.4; DB 9; Length 4533;  
 Best Local Similarity 95.2%; Pred. No. 13;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAAGAGTC 21  
 Db 3839 GTGGTGTACACAGGAAGAGTC 3859

RESULT 12  
 US-09-968-007A-459  
 ; Sequence 459, Application US/09968007A  
 ; Publication No. US20040115625A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ebner, Reinhard  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signa  
 ; FILE REFERENCE: 689290-71  
 ; CURRENT APPLICATION NUMBER: US/09/968,007A  
 ; CURRENT FILING DATE: 2001-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,172  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,173  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,278  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,294

; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,295  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,316  
 ; PRIOR FILING DATE: 2000-10-02  
 ; NUMBER OF SEQ ID NOS: 1001  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 459  
 ; LENGTH: 4646  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-968-007A-459

Query Match 92.4%; Score 19.4; DB 11; Length 4646;  
 Best Local Similarity 95.2%; Pred. No. 13;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAAGAGTC 21  
 Db 3839 GTGGTGTACACAGGAAGAGTC 3859

RESULT 13  
 US-09-968-007A-747  
 ; Sequence 747, Application US/09968007A  
 ; Publication No. US20040115625A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ebner, Reinhard  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signa  
 ; FILE REFERENCE: 689290-71  
 ; CURRENT APPLICATION NUMBER: US/09/968,007A  
 ; CURRENT FILING DATE: 2001-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,172  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,173  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,278  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,294  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,295  
 ; PRIOR FILING DATE: 2000-10-02  
 ; PRIOR APPLICATION NUMBER: US/60/237,316  
 ; PRIOR FILING DATE: 2000-10-02  
 ; NUMBER OF SEQ ID NOS: 1001  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 747  
 ; LENGTH: 4646  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-968-007A-747

Query Match 92.4%; Score 19.4; DB 11; Length 4646;  
 Best Local Similarity 95.2%; Pred. No. 13;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACACAGGAAGAGTC 21  
 Db 3839 GTGGTGTACACAGGAAGAGTC 3859

RESULT 14  
 US-10-641-643-1167  
 ; Sequence 1167, Application US/10641643  
 ; Publication No. US20040077003A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cocks, Benjamin G.  
 ; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL  
 ; GENE EXPRESSION  
 ; NUMBER OF SEQUENCES: 1508

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
;; STREET: 3174 PORTER DRIVE  
;; CITY: PALO ALTO  
;; STATE: CALIFORNIA  
;; COUNTRY: USA  
;; ZIP: 94304  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Word Perfect 6.1 for windows/MS-DOS 6.2  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/641,643  
;; FILING DATE: 14-AUG-2003  
;; CLASSIFICATION: <Unknown>  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: <Unknown>  
;; FILING DATE: <Unknown>  
;;  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Zeller, Karen J.  
;; REGISTRATION NUMBER: 37,071  
;; REFERENCE/DOCKET NUMBER: PA-0001 US  
;;  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (650) 855-0555  
;; TELEFAX: (650) 845-4166  
;;  
;; INFORMATION FOR SEQ ID NO: 1167:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 4646 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: GENBANK  
;; CLONE: g187468  
;;  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 1167 :  
US-10-641-643-1167

Query Match 92.4%; Score 19.4; DB 18; Length 4646;  
Best Local Similarity 95.2%; Pred. No. 13;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGAGGTC 21  
|||  
Db 3839 GTGGTGTACAGGAGAGATC 3859

RESULT 15  
US-10-343-657-1  
; Sequence 1, Application US/10343657  
; Publication No. US20040086882A1  
; GENERAL INFORMATION:  
; APPLICANT: Roninson, Igor B.  
; APPLICANT: Ruth, Adam  
; TITLE OF INVENTION: Mutations of the MDR1 P-glycoprotein that Improve Its  
; TITLE OF INVENTION: Ability to Confer Resistance to Chemotherapeutic Drugs  
; FILE REFERENCE: 00,616-A  
; CURRENT APPLICATION NUMBER: US/10/343,657  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: 60/222,313  
; PRIOR FILING DATE: 2000-08-01  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 4646  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (425)..(4264)  
US-10-343-657-1

Query Match 92.4%; Score 19.4; DB 18; Length 4646;

Best Local Similarity 95.2%; Pred. No. 13;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 1 GTGGTGTACAGGAGAGGTC 21  
|||  
Db 3839 GTGGTGTACAGGAGAGATC 3859

Search completed: September 20, 2005, 18:18:04  
Job time : 2358.33 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 19, 2005, 22:51:55 ; Search time 91.3333 Seconds  
(without alignments)  
376.224 Million cell updates/sec

Title: US-10-809-757-2

Perfect score: 21

Sequence: 1 gtggtgtcacaggaagaggtt 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:\*

- 1: /cgn2\_6/ptodata/1/ina/5A COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5B COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19.4	92.4	3988	US-09-762-195-1	Sequence 1, Appli
2	19.4	92.4	4264	US-08-784-649A-1	Sequence 1, Appli
3	19.4	92.4	4264	US-08-784-649A-5	Sequence 5, Appli
4	18.4	87.6	2726	US-08-461-823-1	Sequence 1, Appli
5	18.4	87.6	4186	US-09-672-810-1	Sequence 1, Appli
6	18.4	87.6	4195	US-09-672-810-3	Sequence 3, Appli
7	18.4	87.6	4646	US-08-181-471-2	Sequence 2, Appli
8	18.4	87.6	4646	US-09-023-655-1167	Sequence 1167, Ap
9	18.4	87.6	4669	US-08-583-276-18	Sequence 18, Appli
10	18.4	87.6	4669	US-08-752-447-1	Sequence 1, Appli
11	18.4	87.6	4669	US-09-316-167-1	Sequence 1, Appli
12	18.4	87.6	4669	US-09-397-233-1	Sequence 1, Appli
13	18.4	87.6	4669	5206352-3	Patent No. 5206352
14	18.4	87.6	4669	5206352-3	Patent No. 5206352
15	18.4	87.6	6505	US-08-793-610-5	Sequence 5, Appli
16	18.4	87.6	8630	US-09-306-417-1	Sequence 1, Appli
17	18.4	87.6	8630	US-09-306-417-2	Sequence 2, Appli
18	18.4	87.6	9318	US-08-793-610-6	Sequence 6, Appli
19	17.8	84.8	315	US-09-248-796A-7498	Sequence 7498, Ap
20	16.8	80.0	88036	US-09-949-016-15335	Sequence 15335, A
21	16.8	80.0	260286	US-09-949-016-17037	Sequence 17037, A
22	16.8	80.0	260293	US-09-949-016-12106	Sequence 12106, A
23	16.4	78.1	512	US-09-495-050A-196	Sequence 196, App
24	16.4	78.1	517	US-09-276-531-13	Sequence 13, Appli
25	16.4	78.1	601	US-09-949-016-154663	Sequence 154663, A
26	16.4	78.1	601	US-09-949-016-154664	Sequence 154664, A
27	16.4	78.1	601	US-09-949-016-154665	Sequence 154665, A

28	16.4	78.1	275110	4	US-09-949-016-12706	Sequence 12706, A
29	16.4	78.1	275110	4	US-09-949-016-16070	Sequence 16070, A
c 30	16.2	77.1	942	1	US-08-021-537-2	Sequence 2, Appli
31	16.2	77.1	27223	4	US-09-949-016-13036	Sequence 13036, A
32	16.2	77.1	31623	4	US-09-949-016-15945	Sequence 15945, A
33	16.2	77.1	49487	4	US-09-949-016-15721	Sequence 15721, A
c 34	16.2	77.1	75480	4	US-09-949-016-16090	Sequence 16090, A
35	16.2	77.1	177293	4	US-09-949-016-16513	Sequence 16513, A
36	16.2	77.1	183112	4	US-09-949-016-14184	Sequence 14184, A
c 37	15.8	75.2	25	4	US-09-396-196G-42240	Sequence 42240, A
38	15.8	75.2	155	3	US-08-905-223-38	Sequence 38, Appli
39	15.8	75.2	601	4	US-09-949-016-163242	Sequence 163242, A
c 40	15.8	75.2	601	4	US-09-949-016-205983	Sequence 205983, A
41	15.8	75.2	613	4	US-08-270-767-15206	Sequence 15206, A
c 42	15.8	75.2	1120	3	US-09-780-175-10	Sequence 10, Appli
c 43	15.8	75.2	2089	4	US-09-799-451-894	Sequence 894, App
44	15.8	75.2	2331	4	US-09-866-028-54	Sequence 54, Appli
45	15.8	75.2	2331	4	US-09-944-457-54	Sequence 54, Appli

#### ALIGNMENTS

##### RESULT 1

US-09-762-195-1

; Sequence 1, Application US/09762195

; Patent No. 6677319

; GENERAL INFORMATION:

; APPLICANT: Stremmel, Wolfgang

; TITLE OF INVENTION: Phosphatidylcholine as Medication with

; FILE REFERENCE: 34691/208520

; CURRENT APPLICATION NUMBER: US/09762195

; PRIOR FILING DATE: 2001-02-05

; PRIOR APPLICATION NUMBER: PCT/EP99702426

; PRIOR FILING DATE: 1999-08-06

; PRIOR APPLICATION NUMBER: 198 35 526 2 DE

; PRIOR FILING DATE: 1998-08-06

; PRIOR APPLICATION NUMBER: 198 57 570.8 DE

; PRIOR FILING DATE: 1998-12-15

; NUMBER OF SEQ ID NOS: 23

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 3988

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-762-195-1

Query Match 92.4%; Score 19.4; DB 4; Length 3988;

Best Local Similarity 95.2%; Pred. No. 5.9;

Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 GTGGTGTCCACGAGAGGTT 21

Db 3481 GTGGTGTCCACGAGAGATT 3501

##### RESULT 2

US-08-784-649A-1

; Sequence 1, Application US/08784649A

; Patent No. 5830697

; GENERAL INFORMATION:

; APPLICANT: Sikic, Branimir I

; APPLICANT: Chen, Gang

; TITLE OF INVENTION: P-GLYCOPROTEIN MUTANT RESISTANT TO

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson

; STREET: 2200 Sand Hill Road

; CITY: Menlo Park

; STATE: CA

; COUNTRY: USA

;; ZIP: 94025  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/784,649A  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Sherwood, Pamela J  
;; REGISTRATION NUMBER: Reg No. 5830697 36,677  
;; REFERENCE/DOCKET NUMBER: 06037/007001  
;; TELEPHONE: 415-322-5070  
;; TELEFAX: 415-854-0875  
;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 4264 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
US-08-784-649A-1

Query Match 92.4%; Score 19.4; DB 2; Length 4264;  
Best Local Similarity 95.2%; Pred. No. 6;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGGTT 21  
Db 3553 GTGGTGTACAGGAGGATT 3573

RESULT 3  
US-08-784-649A-5  
; Sequence 5, Application US/08784649A  
; Patent No. 5830697  
; GENERAL INFORMATION:  
; APPLICANT: Sikic, Branimir I  
; APPLICANT: Chen, Gang  
; TITLE OF INVENTION: P-GLYCOPROTEIN MUTANT RESISTANT TO  
; TITLE OF INVENTION: CYCLOSPORIN MODULATION  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 2200 Sand Hill Road  
; CITY: Menlo Park  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94025  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sherwood, Pamela J  
; REGISTRATION NUMBER: Reg. No. 5830697 36,677  
; REFERENCE/DOCKET NUMBER: 06037/007001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-322-5070  
; TELEFAX: 415-854-0875  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4264 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
US-08-784-649A-5

Query Match 92.4%; Score 19.4; DB 2; Length 4264;  
Best Local Similarity 95.2%; Pred. No. 6;  
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGGTT 21  
Db 3553 GTGGTGTACAGGAGGATT 3573

RESULT 4  
US-08-461-823-1  
; Sequence 1, Application US/08461823  
; Patent No. 5593840  
; GENERAL INFORMATION:  
; APPLICANT: Bhatnagar, Satish K.  
; APPLICANT: George Jr., Albert L.  
; APPLICANT: Nazarenko, Irina  
; TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACID SEQUENCES  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OncorPharm, Inc.  
; STREET: 200 Ferry Parkway  
; CITY: Gaithersburg  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20877  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/461,823  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/168,621  
; FILING DATE: 16-DEC-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/010,433  
; FILING DATE: 27-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Karta, Glenn E.  
; REGISTRATION NUMBER: 30,649  
; REFERENCE/DOCKET NUMBER: PA-0012 CIP 2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 301 527-2058  
; TELEFAX: 301 208-6997  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2726 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
US-08-461-823-1

Query Match 87.6%; Score 18.4; DB 1; Length 2726;  
Best Local Similarity 95.0%; Pred. No. 17;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGGTT 20  
Db 1919 GTGGTGTACAGGAGGAT 1938

RESULT 5

US-09-672-810-1  
; Sequence 1, Application US/09672810  
; Patent No. 6617450  
; GENERAL INFORMATION:  
; APPLICANT: STOCKER, PENNY J.  
; APPLICANT: STEIMEL-CRESPI, DOROTHY T.  
; APPLICANT: CRESPI, CHARLES L.  
; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0307/7018  
; CURRENT APPLICATION NUMBER: US/09/672,810  
; CURRENT FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: US 60/156,921  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/158,818  
; PRIOR FILING DATE: 1999-10-12  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 4186  
; TYPE: DNA  
; ORGANISM: Macaca fascicularis  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (100)...(3940)  
US-09-672-810-1

Query Match 87.6%; Score 18.4; DB 4; Length 4186;  
Best Local Similarity 95.0%; Pred. No. 19;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGT 20  
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Db 3514 GTGGTGTACAGGAAGAGT 3533

RESULT 6  
US-09-672-810-3  
; Sequence 3, Application US/09672810  
; Patent No. 6617450  
; GENERAL INFORMATION:  
; APPLICANT: STOCKER, PENNY J.  
; APPLICANT: STEIMEL-CRESPI, DOROTHY T.  
; APPLICANT: CRESPI, CHARLES L.  
; TITLE OF INVENTION: P-GLYCOPROTEINS AND USES THEREOF  
; FILE REFERENCE: G0307/7018  
; CURRENT APPLICATION NUMBER: US/09/672,810  
; CURRENT FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: US 60/156,921  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/158,818  
; PRIOR FILING DATE: 1999-10-12  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3  
; LENGTH: 4195  
; TYPE: DNA  
; ORGANISM: Macaca fascicularis  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (100)...(3949)  
US-09-672-810-3

Query Match 87.6%; Score 18.4; DB 4; Length 4195;  
Best Local Similarity 95.0%; Pred. No. 19;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGT 20  
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Db 3523 GTGGTGTACAGGAAGAGT 3542

RESULT 7  
US-08-181-471-2

; Sequence 2, Application US/08181471  
; Patent No. 5641508  
; GENERAL INFORMATION:  
; APPLICANT: Li, Lingna  
; APPLICANT: Lishko, Valeryi K.  
; TITLE OF INVENTION: METHOD FOR DELIVERING BENEFICIAL  
; COMPOSITIONS TO HAIR FOLLICLES  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Thomas Fitting  
; STREET: 12526 High Bluff Drive, Suite 300  
; CITY: San Diego  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92130  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/181.471  
; FILING DATE: 13-JAN-1994  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/041,553  
; FILING DATE: 02-APR-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitting, Thomas  
; REGISTRATION NUMBER: 34,163  
; REFERENCE/DOCKET NUMBER: ANT0029P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619-792-3680  
; TELEFAX: 619-792-8477  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4646 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 425..4267  
US-08-181-471-2

Query Match 87.6%; Score 18.4; DB 1; Length 4646;  
Best Local Similarity 95.0%; Pred. No. 19;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAAGAGT 20  
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Db 3839 GTGGTGTACAGGAAGAGT 3858

RESULT 8  
US-09-023-655-1167  
; Sequence 1167, Application US/09023655  
; Patent No. 8607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA

;; COUNTRY: USA  
;; ZIP: 94304  
;; COMPUTER READABLE FORM: Floppy disk  
;; MEDIUM TYPE: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/023,655  
;; FILING DATE: HEREWITH  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER:  
;; FILING DATE:  
;; CLASSIFICATION:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Zeller, Karen J.  
;; REGISTRATION NUMBER: 37,071  
;; REFERENCE/DOCKET NUMBER: PA-0001 US  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (650) 855-0555  
;; TELEFAX: (650) 845-4166  
;; INFORMATION FOR SEQ ID NO: 1167:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 4646 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: GENBANK  
;; CLONE: g187468  
US-09-023-655-1167

Query Match 87.6%; Score 18.4; DB 4; Length 4646;  
Best Local Similarity 95.0%; Pred. No. 19;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAGAGGT 20  
DB 3839 GTGGTGTACAGGAGAGAT 3858

RESULT 9  
US-08-583-276-18  
; Sequence 18, Application US/08583276  
; Patent No. 5837536  
; GENERAL INFORMATION:  
; APPLICANT: McDonagh, Kevin T.  
; APPLICANT: Nienhuis, Arthur  
; APPLICANT: Tolstoshev, Paul  
; TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN  
; TITLE OF INVENTION: MULTIDRUG RESISTANCE GENES AND IMPROVED  
; TITLE OF INVENTION: SELECTION OF CELLS TRANSDUCED WITH SUCH GENES  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,  
; ADDRESSEE: Cecchi & Stewart  
; STREET: 6 Becker Farm Road  
; CITY: Roseland  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch diskette  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: DM4 V2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/583,276  
; FILING DATE: 05-JAN-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/332,444

;; FILING DATE: 31-OCT-1994  
;; APPLICATION NUMBER: 07/887,712  
;; FILING DATE: 22-MAY-1992  
;; INFORMATION FOR SEQ ID NO: 18:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 4669 bases  
;; TYPE: nucleic acid  
;; STRANDEDNESS: singular  
;; TOPOLOGY: linear  
;; MOLECULE TYPE:  
;; DESCRIPTION: Genomic DNA  
US-08-583-276-18

Query Match 87.6%; Score 18.4; DB 2; Length 4669;  
Best Local Similarity 95.0%; Pred. No. 19;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAGAGGT 20  
DB 3839 GTGGTGTACAGGAGAGAT 3858

RESULT 10  
US-08-752-447-1  
; Sequence 1, Application US/08752447  
; Patent No. 5994088  
; GENERAL INFORMATION:  
; APPLICANT: Mechetner, Eugene  
; APPLICANT: Roninson, Igor B  
; TITLE OF INVENTION: Methods and Reagents for Preparing and  
; TITLE OF INVENTION: Using Immunological Agents Specific for P-glycoprotein  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McDonnell Boehrnen Hulbert & Berghoff Ltd.  
; STREET: 300 South Wacker Drive, Seventh Floor  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/752,447  
; FILING DATE: 15-NOV-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5994088nan, Kevin E  
; REGISTRATION NUMBER: 35,303  
; REFERENCE/DOCKET NUMBER: 95,1121  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 312-913-0001  
; TELEFAX: 312-913-9808  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4669 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: CDNA  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..424  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 425..4264  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: 4265..4669  
US-08-752-447-1



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US-09-397-233-1
; Sequence 1, Application US/09397233
; Patent No. 6630327
; GENERAL INFORMATION:
; APPLICANT: Mechetner, Eugene
; ; Robinson, Igor B
; TITLE OF INVENTION: Methods and Reagents for Preparing and
; ; Using Immunological Agents Specific for P-glycoprotein
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/397,233
; FILING DATE: 16-Sep-1999
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6630327nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 95,1121-C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4669 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..424
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 425..4264
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; NAME/KEY: 3'UTR
; LOCATION: 4265..4669
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Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 3839 GTGGTGTTCACAGGAAGAGAT 3858
RESULT 13
5206352-3
; Patent No. 5206352
; APPLICANT: Roninson, Igor B.; Pastan Ira H.; Gottesman,
; ; Michael M.
; TITLE OF INVENTION: COMPOSITIONS FOR CLONES CONTAINING DNA
; ; SEQUENCES ASSOCIATED WITH MULTIDRUG RESISTANCE IN HUMAN CELLS
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/622,836
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 892,575

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; FILING DATE: 01-AUG-1986
; APPLICATION NUMBER: 845,610
; FILING DATE: 28-MAR-1986
; SEQ ID NO:3
; LENGTH: 4669
5206352-3

Query Match      87.6%; Score 18.4; DB 6; Length 4669;
Best Local Similarity 95.0%; Pred. No. 19;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GTGGTGTCTCAGGAAGAGGT 20
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DB      3839 GTGGTGTCTCAGGAAGAGAT 3858

RESULT 14
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; Patent No. 5206352
; APPLICANT: Roninson, Igor B.; Pastan Ira H.; Gottesman, Michael M.
; TITLE OF INVENTION: COMPOSITIONS FOR CLONES CONTAINING DNA
; SEQUENCES ASSOCIATED WITH MULTIDRUG RESISTANCE IN HUMAN CELLS
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/622,836
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 892,575
; FILING DATE: 01-AUG-1986
; APPLICATION NUMBER: 845,610
; FILING DATE: 28-MAR-1986
; SEQ ID NO:3
; LENGTH: 4669
5206352-3

Query Match      87.6%; Score 18.4; DB 6; Length 4669;
Best Local Similarity 95.0%; Pred. No. 19;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GTGGTGTCTCAGGAAGAGGT 20
        |||||
DB      3839 GTGGTGTCTCAGGAAGAGAT 3858

RESULT 15
US-08-793-610-5
; Sequence 5, Application US/08793610
; Patent No. 5858744
; GENERAL INFORMATION:
; APPLICANT: BAUM, Christopher
; APPLICANT: STOCKING-HARBERS, Carol
; APPLICANT: OSTERTAG, Wolfram
; TITLE OF INVENTION: RETROVIRAL VECTOR HYBRIDS AND THE USE THEREOF
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
; STREET: 655 Fifteenth Street N.W. Suite 330
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-5701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/793,610
; FILING DATE: 07-MAR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 44 31 973.8

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; FILING DATE: 01-AUG-1986
; APPLICATION NUMBER: 845,610
; FILING DATE: 28-MAR-1986
; SEQ ID NO:3
; LENGTH: 4669
5206352-3

Query Match      87.6%; Score 18.4; DB 6; Length 4669;
Best Local Similarity 95.0%; Pred. No. 19;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GTGGTGTCTCAGGAAGAGGT 20
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DB      3839 GTGGTGTCTCAGGAAGAGAT 3858

RESULT 14
5206352-3
; Patent No. 5206352
; APPLICANT: Roninson, Igor B.; Pastan Ira H.; Gottesman, Michael M.
; TITLE OF INVENTION: COMPOSITIONS FOR CLONES CONTAINING DNA
; SEQUENCES ASSOCIATED WITH MULTIDRUG RESISTANCE IN HUMAN CELLS
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/622,836
; FILING DATE: 24-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 892,575
; FILING DATE: 01-AUG-1986
; APPLICATION NUMBER: 845,610
; FILING DATE: 28-MAR-1986
; SEQ ID NO:3
; LENGTH: 4669
5206352-3

Query Match      87.6%; Score 18.4; DB 6; Length 4669;
Best Local Similarity 95.0%; Pred. No. 19;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GTGGTGTCTCAGGAAGAGGT 20
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DB      3839 GTGGTGTCTCAGGAAGAGAT 3858

RESULT 15
US-08-793-610-5
; Sequence 5, Application US/08793610
; Patent No. 5858744
; GENERAL INFORMATION:
; APPLICANT: BAUM, Christopher
; APPLICANT: STOCKING-HARBERS, Carol
; APPLICANT: OSTERTAG, Wolfram
; TITLE OF INVENTION: RETROVIRAL VECTOR HYBRIDS AND THE USE THEREOF
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
; STREET: 655 Fifteenth Street N.W. Suite 330
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-5701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/793,610
; FILING DATE: 07-MAR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 44 31 973.8

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OM nucleic - nucleic search, using sw model

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Title: US-10-809-757-2

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Listing first 45 summaries

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Published Applications NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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3	19.4	92.4	207	9	US-09-864-761-27542
4	19.4	92.4	472	9	US-09-864-761-10906
5	19.4	92.4	3840	19	US-10-384-339C-30
6	19.4	92.4	4192	21	US-10-651-237-53
7	19.4	92.4	4192	21	US-10-782-413-53

8	19.4	92.4	4643	13	US-10-072-621-2	Sequence 2, Appli
9	19.4	92.4	4643	14	US-10-097-340-1	Sequence 1, Appli
10	19.4	92.4	4643	15	US-10-007-926A-258	Sequence 258, App
11	19.4	92.4	98472	21	US-10-484-577-673	Sequence 673, App
12	19.4	92.4	128993	21	US-10-484-577-681	Sequence 681, App
13	19	90.5	31	9	US-09-801-274-262	Sequence 262, App
14	18.4	87.6	247	21	US-10-484-577-675	Sequence 675, App
15	18.4	87.6	430	17	US-10-188-359-177	Sequence 177, App
16	18.4	87.6	694	19	US-10-767-795-1328	Sequence 1328, Ap
17	18.4	87.6	1021	17	US-10-321-039-25	Sequence 25, Appli
18	18.4	87.6	3153	21	US-10-794-514A-396	Sequence 396, App
19	18.4	87.6	3258	21	US-10-794-514A-394	Sequence 394, App
20	18.4	87.6	3852	15	US-10-101-433A-1	Sequence 1, Appli
21	18.4	87.6	3860	9	US-09-866-866A-1	Sequence 1, Appli
22	18.4	87.6	3860	9	US-09-866-866A-3	Sequence 3, Appli
23	18.4	87.6	4186	18	US-10-619-359A-1	Sequence 1, Appli
24	18.4	87.6	4195	18	US-10-619-359A-3	Sequence 3, Appli
25	18.4	87.6	4533	9	US-09-805-020-30	Sequence 30, Appli
26	18.4	87.6	4646	11	US-09-968-007A-459	Sequence 459, App
27	18.4	87.6	4646	11	US-09-968-007A-747	Sequence 747, App
28	18.4	87.6	4646	18	US-10-641-643-1167	Sequence 1167, Ap
29	18.4	87.6	4646	18	US-10-343-657-1	Sequence 1, Appli
30	18.4	87.6	4646	19	US-10-775-169-198	Sequence 198, App
31	18.4	87.6	4646	21	US-10-843-641A-6929	Sequence 6929, Ap
32	18.4	87.6	4646	21	US-10-843-641A-7217	Sequence 7217, Ap
33	18.4	87.6	4646	21	US-10-505-680-164	Sequence 164, App
34	18.4	87.6	4646	21	US-10-794-514A-392	Sequence 392, App
35	18.4	87.6	4669	19	US-10-680-516-1	Sequence 1, Appli
36	18.4	87.6	8630	9	US-09-306-417-1	Sequence 1, Appli
37	18.4	87.6	8630	9	US-09-306-417-2	Sequence 2, Appli
38	18	85.7	582	16	US-10-029-386-1551	Sequence 1551, Ap
39	17.8	84.8	65	16	US-10-032-585-2359	Sequence 2359, Ap
40	17.8	84.8	84252	19	US-10-322-281-563	Sequence 563, App
41	17.4	82.9	19	22	US-10-918-969-214	Sequence 214, App
42	17.4	82.9	19	22	US-10-918-969-472	Sequence 472, App
43	17.4	82.9	430	17	US-10-388-934-453	Sequence 453, App
44	17.4	82.9	430	17	US-10-388-934-453	Sequence 453, App
45	17.4	82.9	492	13	US-10-027-632-281562	Sequence 281562,
					Sequence 281563,	

#### ALIGNMENTS

RESULT 1  
US-10-809-757-2  
; Sequence 2, Application US/10809757  
; Publication No. US20040191822A1  
; GENERAL INFORMATION:  
; APPLICANT: Yates, Charles R.  
; APPLICANT: Miller, Duane  
; APPLICANT: Gourley, Dick  
; APPLICANT: Song, Pengfei  
; TITLE OF INVENTION: Real-Time Polymerase Chain Reaction-  
; TITLE OF INVENTION: Based Genotyping Assay for Single  
; TITLE OF INVENTION: Nucleotide Polymorphism  
; FILE REFERENCE: D6502  
; CURRENT APPLICATION NUMBER: US/10/809,757  
; CURRENT FILING DATE: 2004-03-25  
; PRIOR APPLICATION NUMBER: US 60/457,512  
; PRIOR FILING DATE: 2003-03-25  
; NUMBER OF SEQ ID NOS: 16  
; SEQ ID NO 2  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: primer bind  
; OTHER INFORMATION: 3435M primer sequence for MDR1 genotyping  
US-10-809-757-2

Query Match 100.0%; Score 21; DB 19; Length 21;  
Best Local Similarity 100.0%; Pred. No. 1.5;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGAGGTT 21  
 |||||  
 Db 1 GTGGTGTACAGGAGAGGTT 21

## RESULT 2

US-10-809-757-1  
 ; Sequence 1, Application US/10809757  
 ; Publication No. US20040191822A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yates, Charles R.  
 ; APPLICANT: Miller, Duane  
 ; APPLICANT: Gourley, Dick  
 ; APPLICANT: Song, Pengfei  
 ; TITLE OF INVENTION: Real-time Polymerase Chain Reaction-  
 ; TITLE OF INVENTION: Based Genotyping Assay for Single  
 ; TITLE OF INVENTION: Nucleotide Polymorphism  
 ; FILE REFERENCE: D6502  
 ; CURRENT APPLICATION NUMBER: US/10/809,757  
 ; CURRENT FILING DATE: 2004-03-25  
 ; PRIOR APPLICATION NUMBER: US 60/457,512  
 ; PRIOR FILING DATE: 2003-03-25  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 1  
 ; LENGTH: 21  
 ; TYPE: DNA  
 ; ORGANISM: artificial sequence  
 ; FEATURE:  
 ; NAME/KEY: primer bind  
 ; OTHER INFORMATION: 3435W primer sequence for MDRI genotyping

## US-10-809-757-1

Query Match 95.2%; Score 20; DB 19; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 4.7;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGAGGT 20  
 |||||  
 Db 1 GTGGTGTACAGGAGAGGT 20

## RESULT 3

US-09-864-761-27542/c  
 ; Sequence 27542, Application US/09864761  
 ; Patent No. US20020048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharron G.  
 ; APPLICANT: Rank, David R.  
 ; APPLICANT: Hanzel, David K.  
 ; APPLICANT: Chen, Wensheng  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 ; FILE REFERENCE: Aecmica-X-1  
 ; CURRENT APPLICATION NUMBER: US/09/864,761  
 ; CURRENT FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/180,312  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/632,366  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 09/608,408  
 ; PRIOR FILING DATE: 2000-06-30  
 ; PRIOR APPLICATION NUMBER: US 09/774,203  
 ; PRIOR FILING DATE: 2001-01-29  
 ; NUMBER OF SEQ ID NOS: 49117  
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 ; SEQ ID NO 27542  
 ; LENGTH: 207  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: MAP TO AC005068.1  
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5  
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.97  
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.5  
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1  
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1  
 ; OTHER INFORMATION: EST HUMAN HIT: BF313560.1, EVALUATE 1.00e-110  
 ; OTHER INFORMATION: SWISSPROT HIT: P08183, EVALUATE 5.00e-34  
 ; OTHER INFORMATION: NT HIT: AF016535.1, EVALUATE 1.00e-113  
 US-09-864-761-27542

Query Match 92.4%; Score 19.4; DB 9; Length 207;  
 Best Local Similarity 95.2%; Pred. No. 11;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTGGTGTACAGGAGAGGTT 21  
 |||||  
 Db 75 GTGGTGTACAGGAGAGATT 55

## RESULT 4

US-09-864-761-10906/c  
 ; Sequence 10906, Application US/09864761  
 ; Patent No. US20020048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharron G.  
 ; APPLICANT: Rank, David R.  
 ; APPLICANT: Hanzel, David K.  
 ; APPLICANT: Chen, Wensheng  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 ; FILE REFERENCE: Aecmica-X-1  
 ; CURRENT APPLICATION NUMBER: US/09/864,761  
 ; CURRENT FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/180,312  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/632,366  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 10906
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005068.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.97
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1
US-09-864-761-10906

Query Match          92.4%; Score 19.4; DB 9; Length 472;
Best Local Similarity 95.2%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
    |||||
DB 331 GTGGTGTACAGGAAGAGATT 311

RESULT 5
US-10-384-339C-30
; Sequence 30, Application US/10384339C
; Publication No. US20040175703A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Roland
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF A TARGET GE
; FILE REFERENCE: 20200/2002
; CURRENT APPLICATION NUMBER: US/10/384,339C
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/EP02/00152
; PRIOR FILING DATE: 2002-01-09
; PRIOR APPLICATION NUMBER: DE 10100586.5
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: DE 10155280.7
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: DE 10158411.3
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: DE 10160151.4
; PRIOR FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 3840
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; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; TITLE: mdr-1
; PATENT DOCUMENT NUMBER: AF016535
US-10-384-339C-30

Query Match          92.4%; Score 19.4; DB 19; Length 3840;
Best Local Similarity 95.2%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
    |||||
DB 3412 GTGGTGTACAGGAAGAGATT 3432

RESULT 6
US-10-651-237-53
; Sequence 53, Application US/10651237
; Publication No. US20050048494A1
; GENERAL INFORMATION:
; APPLICANT: Ortho-Clinical Diagnostics, Inc.
; APPLICANT: Wang, Yixin
; TITLE OF INVENTION: Colorectal Cancer Prognostics
; FILE REFERENCE: ADS-5003 US NP
; CURRENT APPLICATION NUMBER: US/10/651,237
; CURRENT FILING DATE: 2003-08-27
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
; LENGTH: 4192
; TYPE: DNA
; ORGANISM: human
US-10-651-237-53

Query Match          92.4%; Score 19.4; DB 21; Length 4192;
Best Local Similarity 95.2%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
    |||||
DB 3531 GTGGTGTACAGGAAGAGATT 3551

RESULT 7
US-10-782-413-53
; Sequence 53, Application US/10782413
; Publication No. US20050048526A1
; GENERAL INFORMATION:
; APPLICANT: Ortho-Clinical Diagnostics, Inc.
; APPLICANT: Wang, Yixin
; TITLE OF INVENTION: Colorectal Cancer Prognostics
; FILE REFERENCE: VDX-5002 CIP
; CURRENT APPLICATION NUMBER: US/10/782,413
; CURRENT FILING DATE: 2004-02-18
; PRIOR APPLICATION NUMBER: 10/651,237
; PRIOR FILING DATE: 2003-08-28
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
; LENGTH: 4192
; TYPE: DNA
; ORGANISM: human
US-10-782-413-53

Query Match          92.4%; Score 19.4; DB 21; Length 4192;
Best Local Similarity 95.2%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
    |||||
DB 3531 GTGGTGTACAGGAAGAGATT 3551
```

```
RESULT 8
US-10-072-621-2
; Sequence 1, Application US/10072621
; Publication No. US20020169137A1
; GENERAL INFORMATION:
; APPLICANT: Reiner, Peter B.
; APPLICANT: Connop, Bruce P.
; APPLICANT: Pollard, Michelle
; TITLE OF INVENTION: REGULATION OF AMYLOID PRECURSOR PROTEIN EXPRESSION
; FILE REFERENCE: 100103.402
; CURRENT APPLICATION NUMBER: US/10/072,621
; CURRENT FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 4643
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-072-621-2

Query Match          92.4%; Score 19.4; DB 13; Length 4643;
Best Local Similarity 95.2%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 GTGGTGTTCACAGGAGAGGTT 21
Db      3836 GTGGTGTTCACAGGAGAGATT 3856

RESULT 9
US-10-097-340-1
; Sequence 1, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAWATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHWANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 1
; LENGTH: 4643
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-097-340-1

Query Match          92.4%; Score 19.4; DB 14; Length 4643;
Best Local Similarity 95.2%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 GTGGTGTTCACAGGAGAGGTT 21
Db      3836 GTGGTGTTCACAGGAGAGATT 3856

RESULT 10
US-10-007-926A-258
; Sequence 258, Application US/10007926A
; Publication No. US20030143539A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, FRANCOIS
; APPLICANT: HOULGATTE, REMI
; APPLICANT: BIRNBAUM, DANIEL
; APPLICANT: NGUYEN, CATHERINE
; APPLICANT: VIENS, PATRICE
; APPLICANT: FERT, VINCENT
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF PRIMARY BREAST CARCINOMAS
; FILE REFERENCE: 1546-R-00
; CURRENT APPLICATION NUMBER: US/10/007,926A
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,090
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 468
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 258
; LENGTH: 4643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: atp-binding cassette, sub-family b
; OTHER INFORMATION: (mdr/tap), member 1 (ABCB1) gene.
US-10-007-926A-258

Query Match          92.4%; Score 19.4; DB 15; Length 4643;
Best Local Similarity 95.2%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 GTGGTGTTCACAGGAGAGGTT 21
Db      3836 GTGGTGTTCACAGGAGAGATT 3856

RESULT 11
US-10-484-577-673/c
; Sequence 673, Application US/10484577
; Publication No. US20050032724A1
; GENERAL INFORMATION:
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UG1
; FILE REFERENCE: F2285PCT-1
; CURRENT APPLICATION NUMBER: US/10/484,577
; CURRENT FILING DATE: 2004-01-22
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8
; PRIOR FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: EP 02011710.7
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 683
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 673
; LENGTH: 98472
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-484-577-673

Query Match          92.4%; Score 19.4; DB 21; Length 98472;
Best Local Similarity 95.2%; Pred. No. 17;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
   |||||
Db 43288 GTGGTGTACAGGAAGAGTT 43268

RESULT 12
US-10-484-577-681/c
; Sequence 681, Application US/10484577
; Publication No. US20050032724A1
; GENERAL INFORMATION:
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A
; FILE REFERENCE: P2285PCT-1
; CURRENT APPLICATION NUMBER: US/10/484,577
; CURRENT FILING DATE: 2004-01-22
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8
; PRIOR FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: EP 02011710.7
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 683
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 681
; LENGTH: 128993
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(128993)
; LOCATION: )
; OTHER INFORMATION: n=a, c, g or t
US-10-484-577-681

Query Match          92.4%; Score 19.4; DB 21; Length 128993;
Best Local Similarity 95.2%; Pred. No. 17;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
   |||||
Db 43168 GTGGTGTACAGGAAGAGTT 43148

RESULT 13
US-09-801-274-262
; Sequence 262, Application US/09801274
; Patent No. US20020032319A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele
; APPLICANT: Ireland, James S.
; APPLICANT: Lander, Eric S.
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: 2825.2009-001
; CURRENT APPLICATION NUMBER: US/09/801,274
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 60/187,510
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: US 60/206,129
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 1802
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 262
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Homo sapiens
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```

US-09-801-274-262

Query Match          90.5%; Score 19; DB 9; Length 31;
Best Local Similarity 90.5%; Pred. No. 15;
Matches 19; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 21
   |||||
Db 10 GTGGTGTACAGGAAGAGTT 30

RESULT 14
US-10-484-577-675
; Sequence 675, Application US/10484577
; Publication No. US20050032724A1
; GENERAL INFORMATION:
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UGT1A
; FILE REFERENCE: P2285PCT-1
; CURRENT APPLICATION NUMBER: US/10/484,577
; CURRENT FILING DATE: 2004-01-22
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8
; PRIOR FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: EP 02011710.7
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 683
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 675
; LENGTH: 247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-484-577-675

Query Match          87.6%; Score 18.4; DB 21; Length 247;
Best Local Similarity 95.0%; Pred. No. 35;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGTT 20
   |||||
Db 156 GTGGTGTACAGGAAGAGAT 175

RESULT 15
US-10-188-359-177
; Sequence 177, Application US/10188359
; Publication No. US20030215819A1
; GENERAL INFORMATION:
; APPLICANT: DNA Print Genomics, Inc.
; APPLICANT: FRUDAKIS, Tony N.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INFERRING A RESPONSE TO A STATIN
; FILE REFERENCE: DNA1150-3
; CURRENT APPLICATION NUMBER: US/10/188,359
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US 60/301,867
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/310,783
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: US 60/322,478
; PRIOR FILING DATE: 2001-09-13
; NUMBER OF SEQ ID NOS: 234
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 177
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens ABC11045642 665
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (212)..(212)
; OTHER INFORMATION: n = c or t
US-10-188-359-177
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Query Match 87.6%; Score 18.4; DB 17; Length 430;  
Best Local Similarity 95.0%; Pred. No. 36;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGGTGTACAGGAAGAGGT 20  
192 GTGGTGTACAGGAAGAGAT 211

Search completed: September 20, 2005, 18:18:05  
Job time : 2358.33 secs



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OM nucleic - nucleic search, using sw model

Run on: September 19, 2005, 22:51:55 ; Search time 91.3333 Seconds  
(without alignments)  
376.224 Million cell updates/sec

Title: US-10-809-757-3  
Perfect score: 21  
Sequence: 1 actatagccagagaggtgc 21

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.4	87.6	511	4	US-09-270-767-6977
2	18.4	87.6	511	4	US-09-270-767-22259
3	17.8	84.8	601	4	US-09-949-016-21154
4	17.8	84.8	601	4	US-09-949-016-47522
5	17.8	84.8	1590	4	US-09-554-726A-4
6	17.8	84.8	2001	4	US-09-554-726A-15
7	17.8	84.8	2076	4	US-09-554-726A-1
8	17.8	84.8	2257	4	US-09-554-726A-5
9	17.8	84.8	2827	4	US-09-554-726A-11
10	17.8	84.8	2827	4	US-09-554-726A-20
11	17.8	84.8	31467	4	US-09-949-016-13134
12	17.8	84.8	31868	4	US-09-949-016-11907
13	17.4	82.9	23902	4	US-09-949-016-14220
14	17.4	82.9	139562	4	US-09-949-016-13451
15	16.8	80.0	44	4	US-09-679-451-4
16	16.2	77.1	601	4	US-09-949-016-25324
17	16.2	77.1	601	4	US-09-949-016-135211
18	16.2	77.1	601	4	US-09-949-016-163190
19	16.2	77.1	800	3	US-09-221-017B-676
20	16.2	77.1	1591	4	US-09-554-726A-17
21	16.2	77.1	9051	4	US-09-949-016-12112
22	16.2	77.1	9052	4	US-09-949-016-15529
23	16.2	77.1	28596	4	US-09-949-016-16887
24	16.2	77.1	39920	4	US-09-949-016-16316
25	16.2	77.1	85369	4	US-09-949-016-12171
26	16.2	77.1	87562	4	US-09-949-016-13685
27	16.2	77.1	187848	4	US-09-949-016-12111

c 28	16.2	77.1	524032	4	US-09-949-016-16928	Sequence 16928, A
c 29	16.2	77.1	524032	4	US-09-949-016-16929	Sequence 16929, A
c 30	16.2	77.1	524032	4	US-09-949-016-16930	Sequence 16930, A
c 31	16.2	77.1	524032	4	US-09-949-016-16931	Sequence 16931, A
c 32	16.2	77.1	529885	4	US-09-949-016-14340	Sequence 14340, A
c 33	16.2	77.1	529885	4	US-09-949-016-14341	Sequence 14341, A
c 34	16.2	77.1	529885	4	US-09-949-016-14342	Sequence 14342, A
c 35	16.2	77.1	529885	4	US-09-949-016-14343	Sequence 14343, A
c 36	16.2	77.1	529885	4	US-09-949-016-14344	Sequence 14344, A
c 37	16.2	77.1	529885	4	US-09-949-016-14345	Sequence 14345, A
c 38	16.2	77.1	529885	4	US-09-949-016-14346	Sequence 14346, A
c 39	16.2	77.1	529885	4	US-09-949-016-14347	Sequence 14347, A
c 40	15.8	75.2	601	4	US-09-949-016-38500	Sequence 38500, A
c 41	15.8	75.2	601	4	US-09-949-016-145244	Sequence 145244, A
c 42	15.8	75.2	601	4	US-09-949-016-170725	Sequence 170725, A
c 43	15.8	75.2	601	4	US-09-949-016-170768	Sequence 170768, A
c 44	15.8	75.2	601	4	US-09-949-016-170811	Sequence 170811, A
c 45	15.8	75.2	601	4	US-09-949-016-170852	Sequence 170852, A

ALIGNMENTS

RESULT 1

US-09-270-767-6977  
; Sequence 6977, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 6977  
; LENGTH: 511  
; TYPE: DNA  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-6977

Query Match 87.6%; Score 18.4; DB 4; Length 511;  
Best Local Similarity 95.0%; Pred. No. 8.4;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CTATAGGCCAGAGAGGCTGC 21

Db 413 CTATAGGCCAGAGAGGCTGC 432

RESULT 2

US-09-270-767-22259  
; Sequence 22259, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 22259  
; LENGTH: 511  
; TYPE: DNA  
; ORGANISM: Drosophila melanogaster  
US-09-270-767-22259

Query Match 87.6%; Score 18.4; DB 4; Length 511;  
Best Local Similarity 95.0%; Pred. No. 8.4;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CTATAGGCCAGAGAGGCTGC 21

Db 413 CTATAGGCCAGAGAGGCTGC 432  
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## RESULT 3

US-09-949-016-21154/c  
; Sequence 21154, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CLO01307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 21154  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-21154

Query Match 84.8%; Score 17.8; DB 4; Length 601;  
Best Local Similarity 90.5%; Pred. No. 17;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
|||||  
Db 407 ACTATAGGCCAGAGATGCTAC 387  
|||||

## RESULT 4

US-09-949-016-47522/c  
; Sequence 47522, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CLO01307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 47522  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-47522

Query Match 84.8%; Score 17.8; DB 4; Length 601;  
Best Local Similarity 90.5%; Pred. No. 17;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
|||||  
Db 407 ACTATAGGCCAGAGATGCTAC 387  
|||||

## RESULT 5

Query Match 84.8%; Score 17.8; DB 4; Length 2001;  
Best Local Similarity 90.5%; Pred. No. 20;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

US-09-554-726A-4  
; Sequence 4, Application US/09554726A  
; Patent No. 6642369  
; GENERAL INFORMATION:  
; APPLICANT: HERRMANN, Bernhard  
; APPLICANT: KOSCHORZ, Birgit  
; APPLICANT: KISPERT, Andreas  
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: 258.0009 0101  
; CURRENT APPLICATION NUMBER: US/09/554,726A  
; CURRENT FILING DATE: 2000-05-18  
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7  
; PRIOR FILING DATE: 1998-03-02  
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0  
; PRIOR FILING DATE: 1997-11-18  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 1590  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (91)..(1542)  
; OTHER INFORMATION:  
US-09-554-726A-4

Query Match 84.8%; Score 17.8; DB 4; Length 1590;  
Best Local Similarity 90.5%; Pred. No. 19;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
|||||  
Db 127 ACTATAGGCCAGAGGCTGC 147  
|||||

## RESULT 6

US-09-554-726A-15  
; Sequence 15, Application US/09554726A  
; Patent No. 6642369  
; GENERAL INFORMATION:  
; APPLICANT: HERRMANN, Bernhard  
; APPLICANT: KOSCHORZ, Birgit  
; APPLICANT: KISPERT, Andreas  
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: 258.0009 0101  
; CURRENT APPLICATION NUMBER: US/09/554,726A  
; CURRENT FILING DATE: 2000-05-18  
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7  
; PRIOR FILING DATE: 1998-03-02  
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0  
; PRIOR FILING DATE: 1997-11-18  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 2001  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (343)..(1641)  
; OTHER INFORMATION:  
US-09-554-726A-15

Query Match 84.8%; Score 17.8; DB 4; Length 2001;  
Best Local Similarity 90.5%; Pred. No. 20;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
||||| ||||| ||||| ||||| |||||  
Db 379 ACTATCGGCCAGGAGGCTGC 399

## RESULT 7

US-09-554-726A-1  
; Sequence 1, Application US/09554726A  
; Patent No. 6642369  
; GENERAL INFORMATION:  
; APPLICANT: HERRMANN, Bernhard  
; APPLICANT: KOSCHORZ, Birgit  
; APPLICANT: KISPERT, Andreas  
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION  
; FILE REFERENCE: 258.0009 0101  
; CURRENT APPLICATION NUMBER: US/09/554,726A  
; PRIOR FILING DATE: 2000-05-18  
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7  
; PRIOR FILING DATE: 1998-03-02  
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0  
; PRIOR FILING DATE: 1997-11-18  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 2076  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (337)..(1788)  
; OTHER INFORMATION:  
US-09-554-726A-1

Query Match 84.8%; Score 17.8; DB 4; Length 2076;  
Best Local Similarity 90.5%; Pred. No. 20;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
||||| ||||| ||||| ||||| |||||  
Db 373 ACTATCGGCCAGGAGGCTGC 393

## RESULT 8

US-09-554-726A-6  
; Sequence 6, Application US/09554726A  
; Patent No. 6642369  
; GENERAL INFORMATION:  
; APPLICANT: HERRMANN, Bernhard  
; APPLICANT: KOSCHORZ, Birgit  
; APPLICANT: KISPERT, Andreas  
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION  
; FILE REFERENCE: 258.0009 0101  
; CURRENT APPLICATION NUMBER: US/09/554,726A  
; PRIOR FILING DATE: 2000-05-18  
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7  
; PRIOR FILING DATE: 1998-03-02  
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0  
; PRIOR FILING DATE: 1997-11-18  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 2257  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS

; LOCATION: (434)..(1798)  
; OTHER INFORMATION:  
US-09-554-726A-6

Query Match 84.8%; Score 17.8; DB 4; Length 2257;  
Best Local Similarity 90.5%; Pred. No. 20;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
||||| ||||| ||||| ||||| |||||  
Db 470 ACTATTGCCAGGAGGCTGC 490

## RESULT 9

US-09-554-726A-11  
; Sequence 11, Application US/09554726A  
; Patent No. 6642369  
; GENERAL INFORMATION:  
; APPLICANT: HERRMANN, Bernhard  
; APPLICANT: KOSCHORZ, Birgit  
; APPLICANT: KISPERT, Andreas  
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION  
; FILE REFERENCE: 258.0009 0101  
; CURRENT APPLICATION NUMBER: US/09/554,726A  
; PRIOR FILING DATE: 2000-05-18  
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7  
; PRIOR FILING DATE: 1998-03-02  
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0  
; PRIOR FILING DATE: 1997-11-18  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 2827  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (524)..(1975)  
; OTHER INFORMATION:  
US-09-554-726A-11

Query Match 84.8%; Score 17.8; DB 4; Length 2827;  
Best Local Similarity 90.5%; Pred. No. 21;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21  
||||| ||||| ||||| ||||| |||||  
Db 560 ACTATTGCCAGGAGGCTGC 580

## RESULT 10

US-09-554-726A-20  
; Sequence 20, Application US/09554726A  
; Patent No. 6642369  
; GENERAL INFORMATION:  
; APPLICANT: HERRMANN, Bernhard  
; APPLICANT: KOSCHORZ, Birgit  
; APPLICANT: KISPERT, Andreas  
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION  
; FILE REFERENCE: 258.0009 0101  
; CURRENT APPLICATION NUMBER: US/09/554,726A  
; PRIOR FILING DATE: 2000-05-18  
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7  
; PRIOR FILING DATE: 1998-03-02  
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0  
; PRIOR FILING DATE: 1997-11-18  
; NUMBER OF SEQ ID NOS: 53

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 2827
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2002)..(2481)
; OTHER INFORMATION:
US-09-554-726A-20

Query Match      84.8%; Score 17.8; DB 4; Length 2827;
Best Local Similarity 90.5%; Pred. No. 21;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 ACTATAGGCCAGAGAGGCTGC 21
Db      560 ACTATTGCCAGGAGGCTGC 580

RESULT 11
US-09-949-016-13134
; Sequence 13134, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13134
; LENGTH: 31467
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(31467)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13134

Query Match      84.8%; Score 17.8; DB 4; Length 31467;
Best Local Similarity 90.5%; Pred. No. 28;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 ACTATAGGCCAGAGAGGCTGC 21
Db      27948 ACTATAGGCCAGAGATGCTAC 27968

RESULT 12
US-09-949-016-11907
; Sequence 11907, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-09-08
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11907
; LENGTH: 31467
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(31467)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11907

Query Match      84.8%; Score 17.8; DB 4; Length 31467;
Best Local Similarity 90.5%; Pred. No. 28;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 ACTATAGGCCAGAGAGGCTGC 21
Db      27948 ACTATAGGCCAGAGATGCTAC 27968

RESULT 13
US-09-949-016-14220/c
; Sequence 14220, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14220
; LENGTH: 23902
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(23902)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14220/c

Query Match      82.9%; Score 17.4; DB 4; Length 23902;
Best Local Similarity 94.7%; Pred. No. 43;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 ACTATAGGCCAGAGAGGCT 19
Db      14891 ACTATAGGCCAGAGAGGCT 14873

RESULT 14
US-09-949-016-13451/c
; Sequence 13451, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13451
; LENGTH: 23902
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(23902)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13451/c

Query Match      82.9%; Score 17.4; DB 4; Length 23902;
Best Local Similarity 94.7%; Pred. No. 43;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 ACTATAGGCCAGAGAGGCT 19
Db      14891 ACTATAGGCCAGAGAGGCT 14873
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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 13451
; LENGTH: 139562
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(139562)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13451

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Query Match      82.9%; Score 17.4; DB 4; Length 139562;
Best Local Similarity 94.7%; Pred. No. 53;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3  TATAGGCCAGAGGCTGC 21
        |||||
Db       72319 TAGAGGCCAGAGGCTGC 72301

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RESULT 15
US-09-679-451-4/c
; Sequence 4, Application US/09679451
; Patent No. 6503713
; GENERAL INFORMATION:
; APPLICANT: Rana, T.
; TITLE OF INVENTION: METHODS FOR IDENTIFYING RNA BINDING COMPOUNDS
; FILE REFERENCE: 10589-004
; CURRENT APPLICATION NUMBER: US/09/679,451
; CURRENT FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: 60/157,646
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 44
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Template strand
US-09-679-451-4

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Query Match	80.08;	Score 16.9;	DB 4;	Length 44;
Best Local Similarity	50.08;	Pred.No. 40;		
Matches	18;	Conservative	0;	Mismatches 2;
			Indels	0;
			Gaps	0;
QY	1	ACTATAGGCCGAGAGCGCTG	20	
Db	33	ACTATAGGCCGAGAGCGCTG	14	

Search completed: September 20, 2005, 00:39:47  
Job time : 95.3333 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 20, 2005, 00:12:36 ; Search time 2357.33 Seconds  
(without alignments)  
59.353 Million cell updates/sec

Title: US-10-809-757-3

Perfect score: 21

Sequence: 1 actatagccagagagctgc 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7389322 seqs, 333128559 residues

Total number of hits satisfying chosen parameters: 14778644

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA: \*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq.\*
- 20: /cgn2\_6/ptodata/2/pubpna/US10H\_PUBCOMB.seq.\*
- 21: /cgn2\_6/ptodata/2/pubpna/US10I\_PUBCOMB.seq.\*
- 22: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
- 23: /cgn2\_6/ptodata/2/pubpna/US11A\_PUBCOMB.seq.\*
- 24: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*
- 25: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
- 26: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query Match	Length	DB ID	Description
1	21	100.0	21	US-10-809-757-3
2	21	100.0	21	US-10-809-757-10
3	21	100.0	472	US-09-864-761-10906
4	21	100.0	1021	US-10-321-039-25
5	21	100.0	98472	US-10-484-577-673
6	21	100.0	128993	US-10-484-577-681
7	20.6	98.1	41	US-10-035-833A-1419

Sequence 1419, Ap

c	8	20.6	98.1	41	18	US-10-035-833A-3887	Sequence 3887, Ap
c	9	20.6	98.1	430	17	US-10-188-359-177	Sequence 177, Ap
	10	17.8	84.8	1590	17	US-10-454-224-4	Sequence 4, Appli
	11	17.8	84.8	2001	17	US-10-454-224-15	Sequence 15, Appli
	12	17.8	84.8	2076	17	US-10-454-224-1	Sequence 1, Appli
	13	17.8	84.8	2257	17	US-10-454-224-6	Sequence 6, Appli
	14	17.8	84.8	2827	17	US-10-454-224-11	Sequence 11, Appli
	15	17.8	84.8	2827	17	US-10-454-224-20	Sequence 20, Appli
	16	17.8	84.8	38186	10	US-09-373-658-38	Sequence 38, Appli
	17	17.8	84.8	38186	11	US-09-989-687-38	Sequence 38, Appli
c	18	17.4	82.9	836	13	US-10-027-632-134995	Sequence 134995,
c	19	17.4	82.9	836	17	US-10-027-632-134995	Sequence 134995,
c	20	17.4	82.9	1400	21	US-10-356-157-7135	Sequence 7135, Ap
c	21	17.4	82.9	2187	13	US-10-027-632-111333	Sequence 111333,
c	22	17.4	82.9	2187	17	US-10-027-632-111333	Sequence 111333,
c	23	17.4	82.9	6014	18	US-10-231-956A-57	Sequence 57, Appli
c	24	17.4	82.9	6014	21	US-10-956-157-1900	Sequence 1900, Ap
c	25	17.4	82.9	6153	14	US-10-198-846-12987	Sequence 12987, A
c	26	16.8	80.0	44	16	US-10-295-761-4	Sequence 4, Appli
	27	16.8	80.0	622	13	US-10-027-632-22110	Sequence 22110, A
	28	16.8	80.0	622	13	US-10-027-632-22111	Sequence 22111, A
	29	16.8	80.0	622	17	US-10-027-632-22110	Sequence 22110, A
	30	16.8	80.0	622	17	US-10-027-632-22111	Sequence 22111, A
	31	16.8	80.0	655	13	US-10-027-632-244544	Sequence 244544,
	32	16.8	80.0	655	17	US-10-027-632-244544	Sequence 244544,
	33	16.8	80.0	668	20	US-10-425-115-62790	Sequence 62790, A
	34	16.8	80.0	772	13	US-10-027-632-143988	Sequence 143988,
	35	16.8	80.0	772	13	US-10-027-632-143988	Sequence 143988,
	36	16.8	80.0	787	13	US-10-027-632-157747	Sequence 157747,
	37	16.8	80.0	787	17	US-10-027-632-157747	Sequence 157747,
c	38	16.8	80.0	825	13	US-10-027-632-153924	Sequence 153924,
c	39	16.8	80.0	825	17	US-10-027-632-153924	Sequence 153924,
	40	16.8	80.0	1243	18	US-10-425-114-34784	Sequence 34784, A
	41	16.8	80.0	1307	20	US-10-425-115-51013	Sequence 51013, A
	42	16.8	80.0	1405	18	US-10-424-599-24562	Sequence 24562, A
	43	16.8	80.0	7612	9	US-09-764-869-2223	Sequence 2223, Ap
	44	16.8	80.0	7612	14	US-10-091-504-2223	Sequence 2223, Ap
	45	16.8	80.0	7612	17	US-10-227-577-2223	Sequence 2223, Ap

#### ALIGNMENTS

RESULT 1  
US-10-809-757-3  
; Sequence 3, Application US/10809757  
; Publication No. US20040191822A1  
; GENERAL INFORMATION:  
; APPLICANT: Yates, Charles R.  
; APPLICANT: Miller, Duane  
; APPLICANT: Gourley, Dick  
; APPLICANT: Song, Pengfei  
; TITLE OF INVENTION: Real-Time Polymerase Chain Reaction-  
; TITLE OF INVENTION: Based Genotyping Assay for Single  
; TITLE OF INVENTION: Nucleotide Polymorphism  
; FILE REFERENCE: D6502  
; CURRENT APPLICATION NUMBER: US/10/809,757  
; CURRENT FILING DATE: 2004-03-25  
; PRIOR APPLICATION NUMBER: US 60/457,512  
; PRIOR FILING DATE: 2003-03-25  
; NUMBER OF SEQ ID NOS: 16  
; SEQ ID NO 3  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: primer\_bind  
; OTHER INFORMATION: 3435R primer sequence for MDR1 genotyping  
US-10-809-757-3

Query Match 100.0%; Score 21; DB 19; Length 21;  
Best Local Similarity 100.0%; Pred. No. 1.6;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGGGCTGC 21  
 Db 1 ACTATAGGCCAGAGGGCTGC 21

## RESULT 2

US-10-809-757-10  
 ; Sequence 10, Application US/10809757  
 ; Publication No. US20040191822A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yates, Charles R.  
 ; APPLICANT: Miller, Duane  
 ; APPLICANT: Gourley, Dick  
 ; APPLICANT: Song, Fengfei  
 ; TITLE OF INVENTION: Real-Time Polymerase Chain Reaction-  
 ; TITLE OF INVENTION: Based Genotyping Assay for Single  
 ; TITLE OF INVENTION: Nucleotide Polymorphism  
 ; FILE REFERENCE: D6502  
 ; CURRENT APPLICATION NUMBER: US/10/809,757  
 ; CURRENT FILING DATE: 2004-03-25  
 ; PRIOR APPLICATION NUMBER: US 60/457,512  
 ; PRIOR FILING DATE: 2003-03-25  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SEQ ID NO 10  
 ; LENGTH: 21  
 ; TYPE: DNA  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; NAME/KEY: primer bind  
 ; OTHER INFORMATION: antisense primer for sequencing the  
 ; OTHER INFORMATION: C3435T locus  
 US-10-809-757-10

Query Match 100.0%; Score 21; DB 19; Length 21;  
 Best Local Similarity 100.0%; Pred. No. 1.6; Mismatches 0; Indels 0; Gaps 0;  
 Matches 21; Conservative 0;

Qy 1 ACTATAGGCCAGAGGGCTGC 21  
 Db 1 ACTATAGGCCAGAGGGCTGC 21

## RESULT 3

US-09-864-761-10906  
 ; Sequence 10906, Application US/09864761  
 ; Patent No. US20020048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharon G.  
 ; APPLICANT: Rank, David R.  
 ; APPLICANT: Hanzel, David K.  
 ; APPLICANT: Chen, Wensheng  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 ; FILE REFERENCE: Aecmics-X-1  
 ; CURRENT APPLICATION NUMBER: US/09/864,761  
 ; CURRENT FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/180,312  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/632,366  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664  
 ; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 09/608,408  
 ; PRIOR FILING DATE: 2000-06-30  
 ; PRIOR APPLICATION NUMBER: US 09/774,203  
 ; PRIOR FILING DATE: 2001-01-29  
 ; NUMBER OF SEQ ID NOS: 49117  
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 ; SEQ ID NO 10906  
 ; LENGTH: 472  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: MAP TO AC005068.1  
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5  
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.97  
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.5  
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1  
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1  
 US-09-864-761-10906

Query Match 100.0%; Score 21; DB 9; Length 472;  
 Best Local Similarity 100.0%; Pred. No. 1.3; Mismatches 0; Indels 0; Gaps 0;  
 Matches 21; Conservative 0;

Qy 1 ACTATAGGCCAGAGGGCTGC 21  
 Db 198 ACTATAGGCCAGAGGGCTGC 218

## RESULT 4

US-10-321-039-25  
 ; Sequence 25, Application US/10321039  
 ; Publication No. US20040014067A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lyamichev, Victor  
 ; APPLICANT: Lukowiak, Andrew  
 ; APPLICANT: Jarvis, Nancy  
 ; APPLICANT: Kurensky, David  
 ; TITLE OF INVENTION: Amplification Methods and Compositions  
 ; FILE REFERENCE: FORS-06960  
 ; CURRENT APPLICATION NUMBER: US/10/321,039  
 ; CURRENT FILING DATE: 2002-12-17  
 ; PRIOR APPLICATION NUMBER: 09/998,157  
 ; PRIOR FILING DATE: 2001-11-30  
 ; PRIOR APPLICATION NUMBER: 60/329,113  
 ; PRIOR FILING DATE: 2001-10-12  
 ; PRIOR APPLICATION NUMBER: 60/360,489  
 ; PRIOR FILING DATE: 2001-10-19  
 ; NUMBER OF SEQ ID NOS: 759  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 25  
 ; LENGTH: 1021  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (561)..(561)

OTHER INFORMATION: n can be g or a.  
US-10-321-039-25

Query Match 100.0%; Score 21; DB 17; Length 1021;  
Best Local Similarity 100.0%; Pred. No. 1.2;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGCCAGAGAGGCTGC 21  
Db 448 ACTATAGCCAGAGAGGCTGC 468

## RESULT 5

US-10-484-577-673  
; Sequence 673, Application US/10484577  
; Publication No. US20050032724A1  
; GENERAL INFORMATION:  
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UCT1A  
; FILE REFERENCE: P2285PCT-1  
; CURRENT APPLICATION NUMBER: US/10/484,577  
; CURRENT FILING DATE: 2004-01-22  
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8  
; PRIOR FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: EP 02011710.7  
; PRIOR FILING DATE: 2002-05-24  
; NUMBER OF SEQ ID NOS: 683  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 673  
; LENGTH: 98472  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-484-577-673

Query Match 100.0%; Score 21; DB 21; Length 98472;  
Best Local Similarity 100.0%; Pred. No. 0.93;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGCCAGAGAGGCTGC 21  
Db 43155 ACTATAGCCAGAGAGGCTGC 43175

## RESULT 6

US-10-484-577-681  
; Sequence 681, Application US/10484577  
; Publication No. US20050032724A1  
; GENERAL INFORMATION:  
; APPLICANT: EPIDAUROS Biotechnologie Aktiengesellschaft  
; TITLE OF INVENTION: Means and methods for improved treatment of cancer based on UCT1A  
; FILE REFERENCE: F2285PCT-1  
; CURRENT APPLICATION NUMBER: US/10/484,577  
; CURRENT FILING DATE: 2004-01-22  
; PRIOR APPLICATION NUMBER: PCT/EP 02/08220  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: EP 01 11 7608.8  
; PRIOR FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: EP 02011710.7  
; PRIOR FILING DATE: 2002-05-24  
; NUMBER OF SEQ ID NOS: 683  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 681  
; LENGTH: 128993  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(128993  
; LOCATION: )  
; OTHER INFORMATION: n=a, c, g or t  
US-10-484-577-681

Query Match 100.0%; Score 21; DB 21; Length 128993;  
Best Local Similarity 100.0%; Pred. No. 0.92;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGCCAGAGAGGCTGC 21  
Db 43035 ACTATAGCCAGAGAGGCTGC 43055

## RESULT 7

US-10-035-833A-1419/c  
; Sequence 1419, Application US/10035833A  
; Publication No. US20040072156A1  
; GENERAL INFORMATION:  
; APPLICANT: Nakamura, Yuho  
; APPLICANT: Sekine, Akihiro  
; APPLICANT: Iida, Aritoshi  
; APPLICANT: Saito, Osamu  
; TITLE OF INVENTION: Detection of Genetic Polymorphisms  
; FILE REFERENCE: FORS-06904  
; CURRENT APPLICATION NUMBER: US/10/035,833A  
; CURRENT FILING DATE: 2001-12-27  
; NUMBER OF SEQ ID NOS: 7669  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1419  
; LENGTH: 41  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-035-833A-1419

Query Match 98.1%; Score 20.6; DB 18; Length 41;  
Best Local Similarity 95.2%; Pred. No. 2.4;  
Matches 20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGCCAGAGAGGCTGC 21  
Db 21 MCTATAGCCAGAGAGGCTGC 1

## RESULT 8

US-10-035-833A-3887/c  
; Sequence 3887, Application US/10035833A  
; Publication No. US20040072156A1  
; GENERAL INFORMATION:  
; APPLICANT: Nakamura, Yuho  
; APPLICANT: Sekine, Akihiro  
; APPLICANT: Iida, Aritoshi  
; APPLICANT: Saito, Osamu  
; TITLE OF INVENTION: Detection of Genetic Polymorphisms  
; FILE REFERENCE: FORS-06904  
; CURRENT APPLICATION NUMBER: US/10/035,833A  
; CURRENT FILING DATE: 2001-12-27  
; NUMBER OF SEQ ID NOS: 7669  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3887  
; LENGTH: 41  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-035-833A-3887

Query Match 98.1%; Score 20.6; DB 18; Length 41;  
Best Local Similarity 95.2%; Pred. No. 2.4;  
Matches 20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGCCAGAGAGGCTGC 21  
Db 21 MCTATAGCCAGAGAGGCTGC 1

## RESULT 9

US-10-188-359-177/c  
; Sequence 177, Application US/10188359



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; Publication No. US20030215819A1
; GENERAL INFORMATION:
; APPLICANT: DNA Print Genomics, Inc.
; APPLICANT: FRUDAKIS, Tony N.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INFERRING A RESPONSE TO A STATIN
; FILE REFERENCE: DNA1150-3
; CURRENT APPLICATION NUMBER: US/10/188,359
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US 60/301,867
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/310,783
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: US 60/322,478
; PRIOR FILING DATE: 2001-09-13
; NUMBER OF SEQ ID NOS: 234
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 177
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens ABC11045642 665
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (212)..(212)
; OTHER INFORMATION: n = c o r t
US-10-188-359-177

Query Match 98.1%; Score 20.6; DB 17; Length 430;
Best Local Similarity 95.2%; Pred. No. 2.1;
Matches 20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21
Db 325 MCTATAGGCCAGAGAGGCTGC 305

RESULT 10
US-10-454-224-4
; Sequence 4, Application US/10454224
; Publication No. US20040010814A1
; GENERAL INFORMATION:
; APPLICANT: HERMANN, Bernhard
; APPLICANT: KOSCHORZ, Birgit
; APPLICANT: KISPERT, Andreas
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 258.0009 0101
; CURRENT APPLICATION NUMBER: US/10/454,224
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US/09/554,726A
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 1590
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (91)..(1542)
; OTHER INFORMATION:
US-10-454-224-4

Query Match 84.8%; Score 17.8; DB 17; Length 1590;
Best Local Similarity 90.5%; Pred. No. 47;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ACTATAGGCCAGAGAGGCTGC 21

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;
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (337)..(1788)
; OTHER INFORMATION:
US-10-454-224-1

Query Match      84.8%; Score 17.8; DB 17; Length 2076;
Best Local Similarity 90.5%; Pred. No. 46;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1 ACTATAGGCCAGAGAGGCTGC 21
Db 373 ACTATTGCCAGGAGGCTGC 393

RESULT 13
US-10-454-224-6
; Sequence 6, Application US/10454224
; Publication No. US20040010814A1
; GENERAL INFORMATION:
; APPLICANT: HERRMANN, Bernhard
; APPLICANT: KOSCHORZ, Birgit
; APPLICANT: KISPERT, Andreas
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION
; FILE REFERENCE: 258.0009 0101
; CURRENT APPLICATION NUMBER: US/10/454,224
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US/09/554,726A
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 6
; LENGTH: 2257
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (434)..(1798)
; OTHER INFORMATION:
US-10-454-224-6

Query Match      84.8%; Score 17.8; DB 17; Length 2257;
Best Local Similarity 90.5%; Pred. No. 46;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1 ACTATAGGCCAGAGAGGCTGC 21
Db 470 ACTATTGCCAGGAGGCTGC 490

RESULT 14
US-10-454-224-11
; Sequence 11, Application US/10454224
; Publication No. US20040010814A1
; GENERAL INFORMATION:
; APPLICANT: HERRMANN, Bernhard
; APPLICANT: KOSCHORZ, Birgit
; APPLICANT: KISPERT, Andreas
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION
; FILE REFERENCE: 258.0009 0101
; CURRENT APPLICATION NUMBER: US/10/454,224
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US/09/554,726A
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395
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;
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 11
; LENGTH: 2827
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (524)..(1975)
; OTHER INFORMATION:
US-10-454-224-11

Query Match      84.8%; Score 17.8; DB 17; Length 2827;
Best Local Similarity 90.5%; Pred. No. 45;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1 ACTATAGGCCAGAGAGGCTGC 21
Db 560 ACTATTGCCAGGAGGCTGC 580

RESULT 15
US-10-454-224-20
; Sequence 20, Application US/10454224
; Publication No. US20040010814A1
; GENERAL INFORMATION:
; APPLICANT: HERRMANN, Bernhard
; APPLICANT: KOSCHORZ, Birgit
; APPLICANT: KISPERT, Andreas
; TITLE OF INVENTION: NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATION
; FILE REFERENCE: 258.0009 0101
; CURRENT APPLICATION NUMBER: US/10/454,224
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US/09/554,726A
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/EP 98/07395
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: EP 98 10 3596.7
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: EP 97 12 0190.0
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 20
; LENGTH: 2827
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2002)..(2481)
; OTHER INFORMATION:
US-10-454-224-20

Query Match      84.8%; Score 17.8; DB 17; Length 2827;
Best Local Similarity 90.5%; Pred. No. 45;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy 1 ACTATAGGCCAGAGAGGCTGC 21
Db 560 ACTATTGCCAGGAGGCTGC 580

Search completed: September 20, 2005, 18:18:08
Job time : 2360.33 secs
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